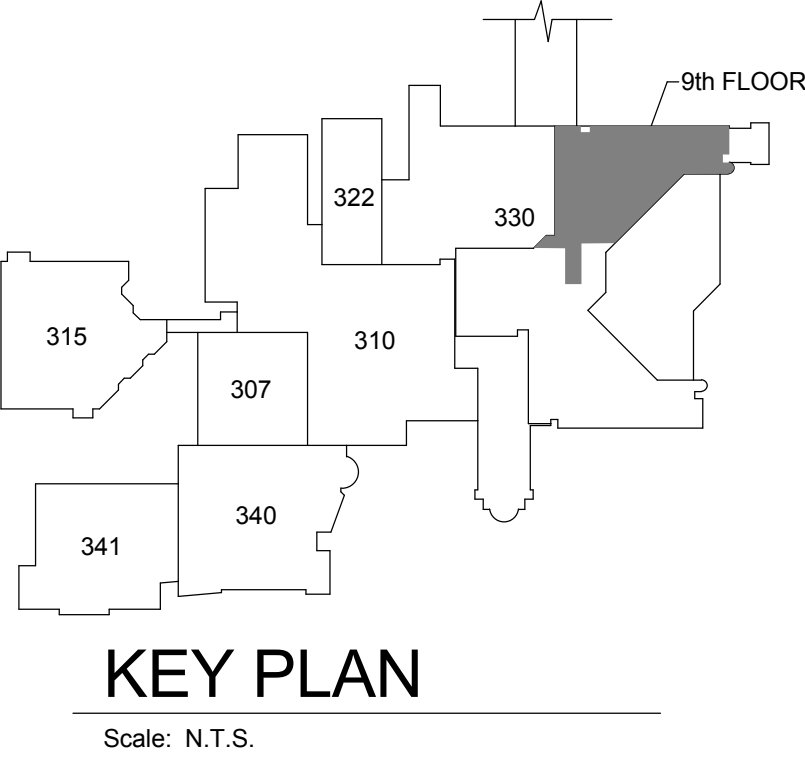




FULLY SPRINKLERED

- GENERAL SIGNAGE NOTES
- A. Verify all conditions prior to fabrication, erection, and installation.
  - B. Install room identification signs on knob side of door and 2" over from door frame.
  - C. All tactile room number and room identification signs are required to meet ABA/ADA requirements for height and Braille text.
  - D. Building plan for evacuation map will be furnished by the project COR.
  - E. Sign text and copy is to be provided by the project COR.
  - F. See Specifications for sign types and details.
  - G. Provide finished backer on all signs that are installed on glass.
  - H. Refer to IF200-S series for signage details.



NINTH FLOOR SIGNAGE PLAN  
Scale: 1/8" = 1'-0"



			CONSULTANTS:						ARCHITECT/ENGINEERS:						Drawing Title			Project Title			Project No.			Office of Construction and Facilities Management								
												JOHN POE ARCHITECTS			NINTH FLOOR SIGNAGE PLAN			RELOCATE PROSTHETICS AND PODIATRY CLINICS			VA Project No. 552-15-502 JPA Project No. 14006.00			Department of Veterans Affairs								
																		Building Number 330			Drawing Number 330IF109-S											
																		Location Dayton, Ohio			Date 05.16.2016			Checked Approver			Drawn Designer					
1 Bid Set Drawings 05.16.2016															Approved: Project Director																	
Revisions Date																																

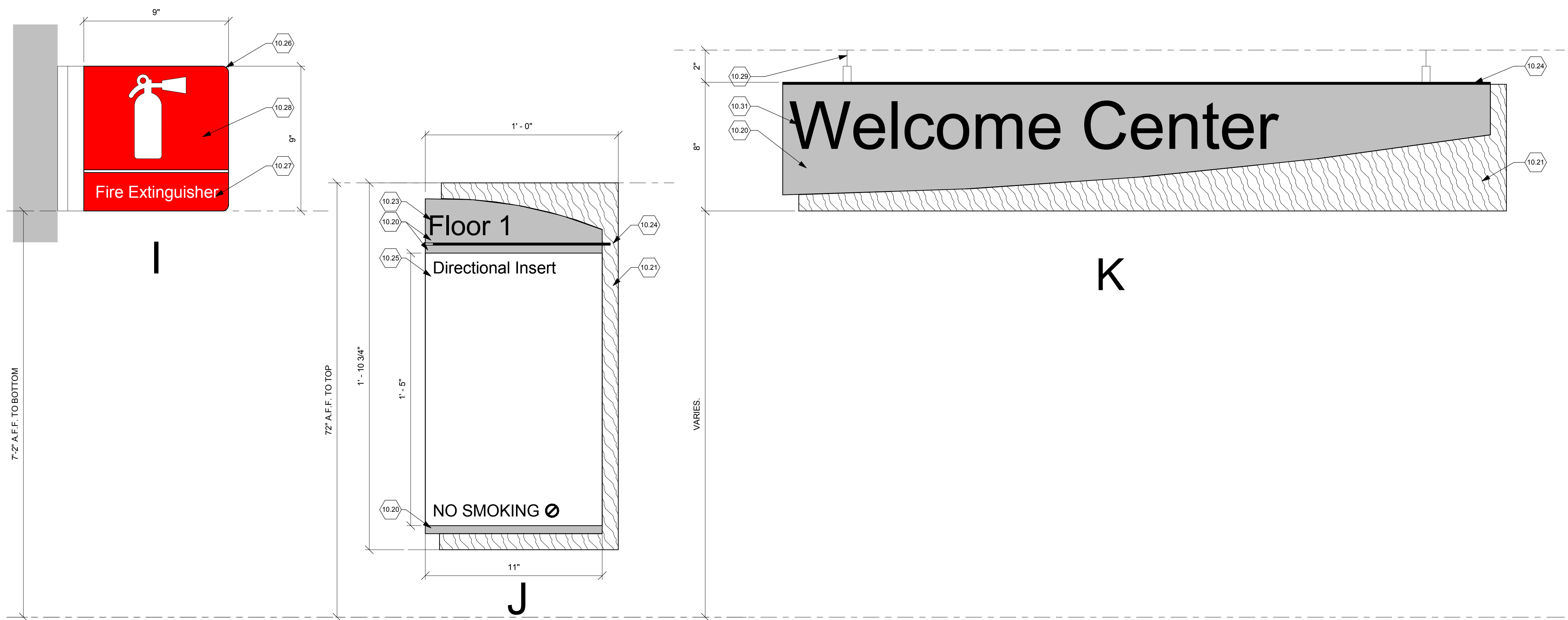
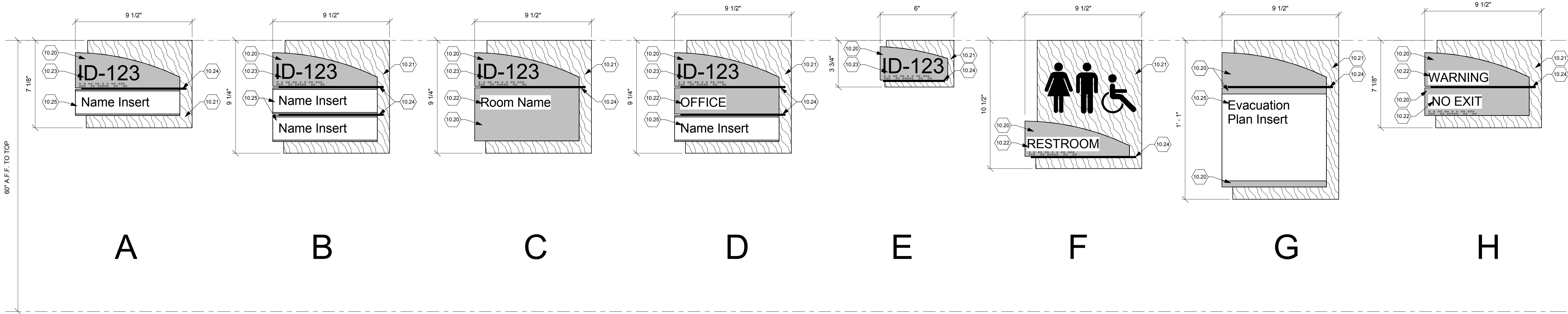
FULLY SPRINKLERED

GENERAL SIGNAGE NOTES

- A. Verify all conditions prior to fabrication, erection, and installation.  
B. Install room identification signs on knob side of door and 2" over from door frame.  
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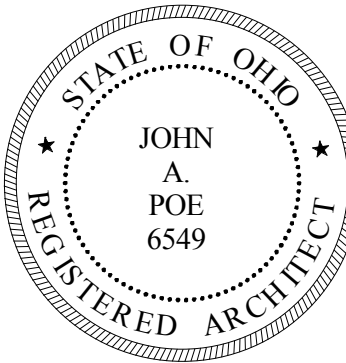
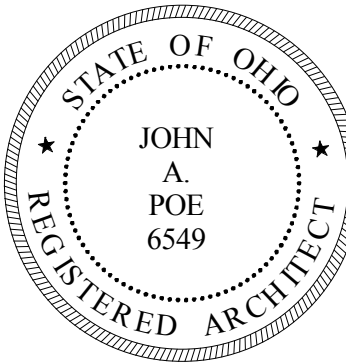

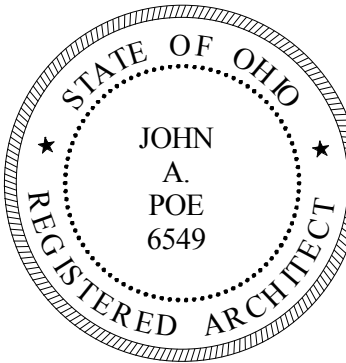
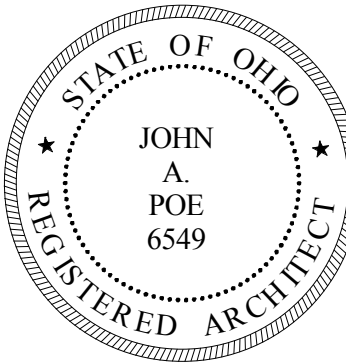
SIGNAGE NOTES

- 10.20 Plastic laminate face material.  
10.21 Acrylic resin backer material.  
10.22 3/4" helvetica bold raised text.  
10.23 1 1/4" helvetica bold raised text.  
10.24 Metal accent bar.  
10.25 Paper insert.  
10.26 3/8" radius corners.  
10.27 Fire red B/G white arial copy and graphic.  
10.28 Red plastic face.  
10.29 Cable wires mounting system.  
10.31 3" helvetica bold raised text.

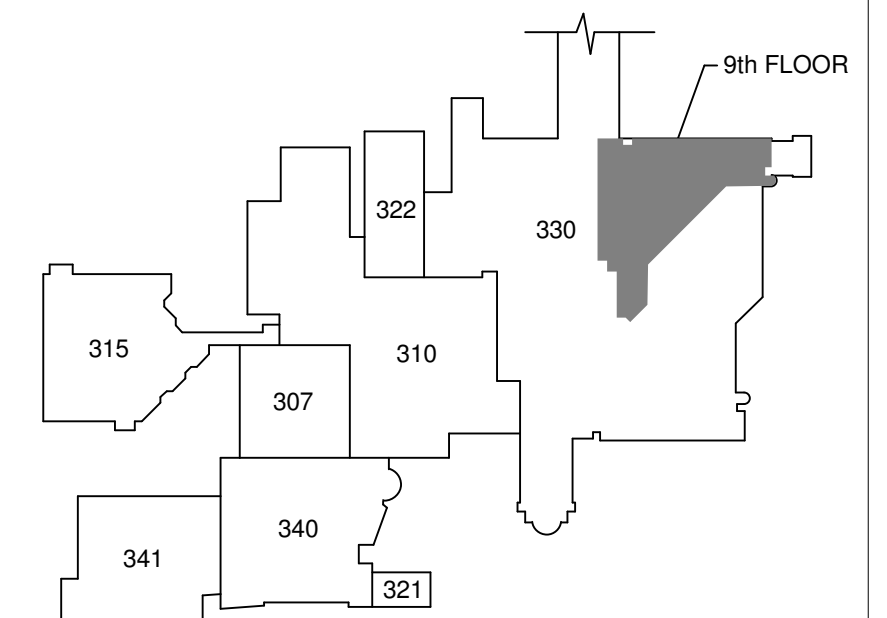


Signage Details

Scale: N.T.S.

			CONSULTANTS:				ARCHITECT/ENGINEERS:			Drawing Title		Project Title		Project No.		Office of Construction and Facilities Management		
							JOHN POE ARCHITECTS			NINTH FLOOR SIGNAGE DETAILS		RELOCATE PROSTHETICS AND PODIATRY CLINICS		VA Project No. 552-15-502 JPA Project No. 14006.00				
											Approved: Project Director		Location		Building Number		Department of Veterans Affairs	
											Date		Dayton, Ohio		330			
												Date		Drawing Number		330IF209-S		
										05.16.2016		Approver Designer			Dwg. of XX			
																330IF209-S		

FULLY SPRINKLERED



## KEY PLAN

Scale: N.T.S.



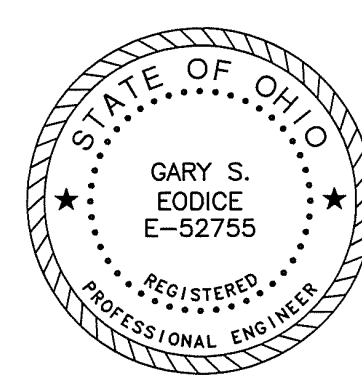
### 330-NINTH FLOOR - LIGHTING

Scale: 1/8" = 1'-0"

[illegible]

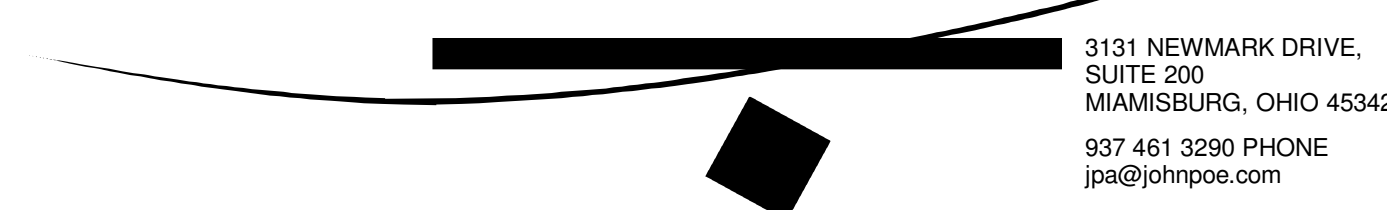
CONSULTANTS:

**Heapy Engineering**  
MEP Design Technology Planning Commissioning Energy  
***Nationally Recognized Leader in Sustainability***  
1400 W Dorothy Lane, Dayton, OH 45409-1310  
Ph 937-224-0861 Fax 937-224-5777 [www.heapy.com](http://www.heapy.com)  
Heapy Project No.: 2014-04034 Firm License No.: 0152



ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS



	Drawing Title
--	---------------

NINTH FLOOR PLAN - LIGHTING

Approved: Project Director

Project Title

## RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location	
----------	--

Dayton, Ohio

Checked	MSG
---------	-----

Drawn  
JB

Project No.	
VA Project No.	552-15-502
JPA Project No.	14006.00

Building Number  
330

Drawing Number  
00051

330EL109

Office of  
Construction  
and Facilities  
Management



5/13/2016 1:54:19 PM

three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot

5/13/2016 12:10:28 PM

Revisions		Date
1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	01.15.2016

CONSULTANTS:

Heapy Engineering

MEP Design Technology Planning Commissioning Energy

Nationally Recognized Leader in Sustainability

1400 W Dorothy Lane, Dayton, OH 45409-1310  
Ph 937-224-0861 Fax 937-224-5777 www.heapy.com  
Heapy Project No.: 2014-04034 Firm License No.: Q1528

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS

3131 NEWMARK DRIVE,  
SUITE 200  
MIAMISBURG, OHIO 45342  
937.461.3290 PHONE  
jpa@johnpoe.com

Drawing Title

DETAILS

Approved: Project Director

Project Title

RELOCATE PROSTHETICS  
AND PODIATRY CLINICS

Location

Dayton, Ohio

Date

05.16.2016

Checked

CSS

Drawn

DPB

Project No.

VA Project No. 552-15-502  
JPA Project No. 14006.00

Building Number

999

Drawing Number

P501

Dwg. of

Office of  
Construction  
and Facilities  
Management

4 FLOW CONTROLLER ASSEMBLY

SCALE: 1/8" = 1'-0"

1 P103 WATER CLOSET

SCALE: 12" = 1'-0"

2 P418 WALL HUNG LAVATORY

SCALE: 12" = 1'-0"

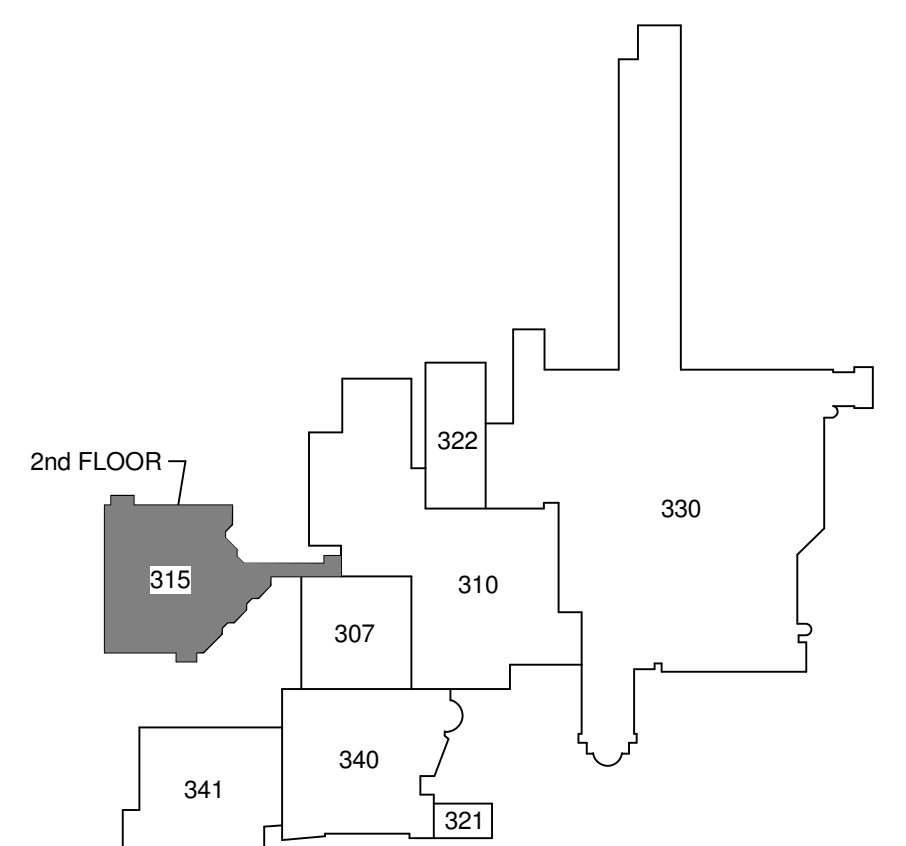
3 RETRACTABLE AIR HOSE REEL - M1

SCALE: 1/8" = 1'-0"





- 1 EXISTING TO REMAIN.
- 2 MODIFY EXISTING SANITARY WASTE AND VENT PIPING TO ACCOMMODATE REPLACEMENT OF LAB SINK.

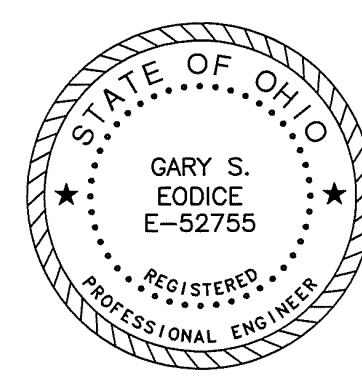


Scale: N.T.S.

## Scale: N.T.S.

1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	01.15.2016
Provisions		<i>Date</i>

**Heapy Engineering**  
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1400 W Dorothy Lane, Dayton, OH 45409-1310  
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Heapy Project No: 2014-04034 Firm License No: 0152



3131 NEWMARK DRIVE,  
SUITE 200  
MIAMISBURG, OHIO 45342  
937 461 3290 PHONE  
jpa@johnpoe.com

Approved: Project Director

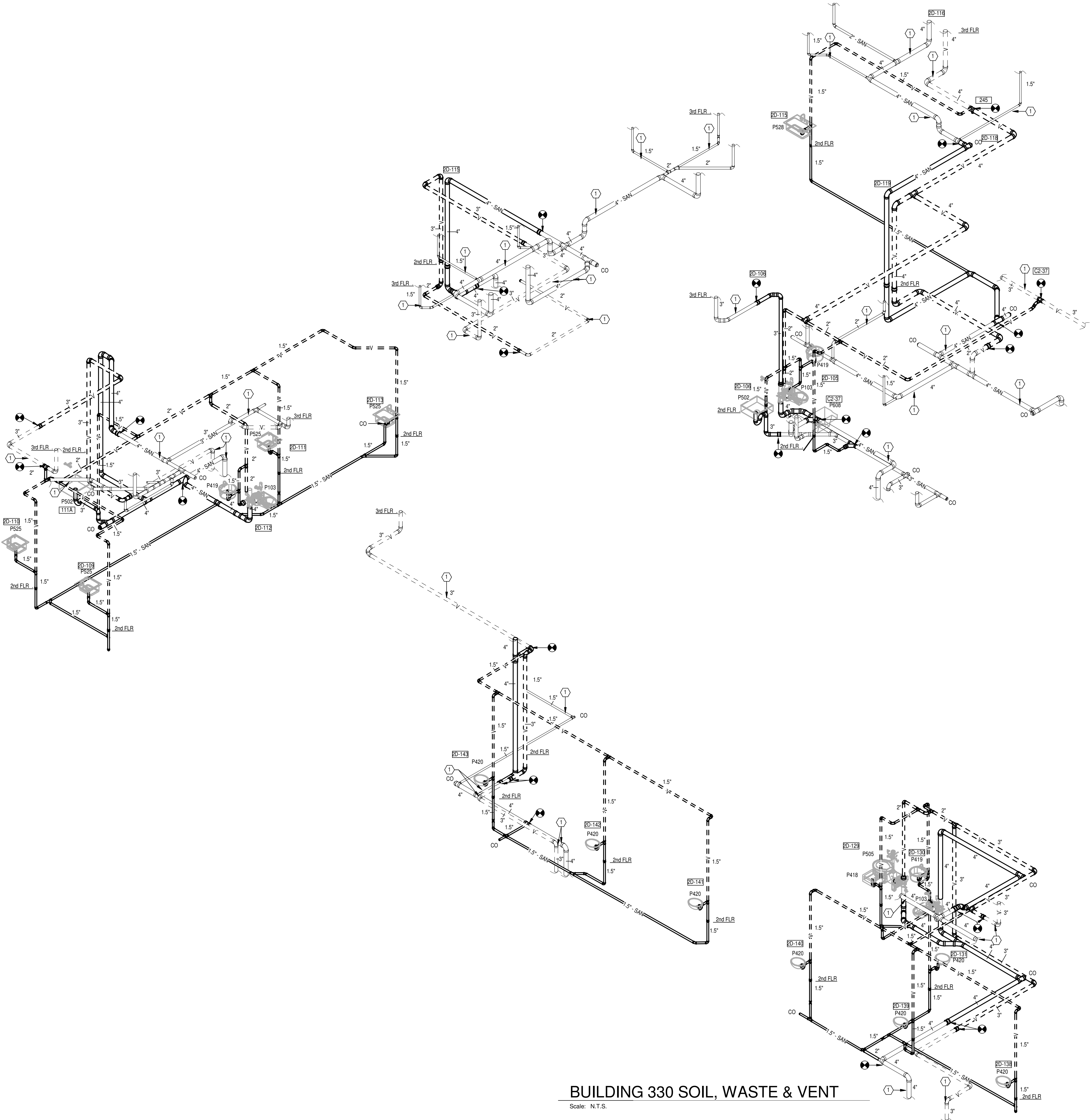
Project No.	
VA Project No.	552-15-502
JPA Project No.	14006.00
Building Number	999
Drawing Number	P901
Dwg.	of

 Department of  
Veterans Affairs

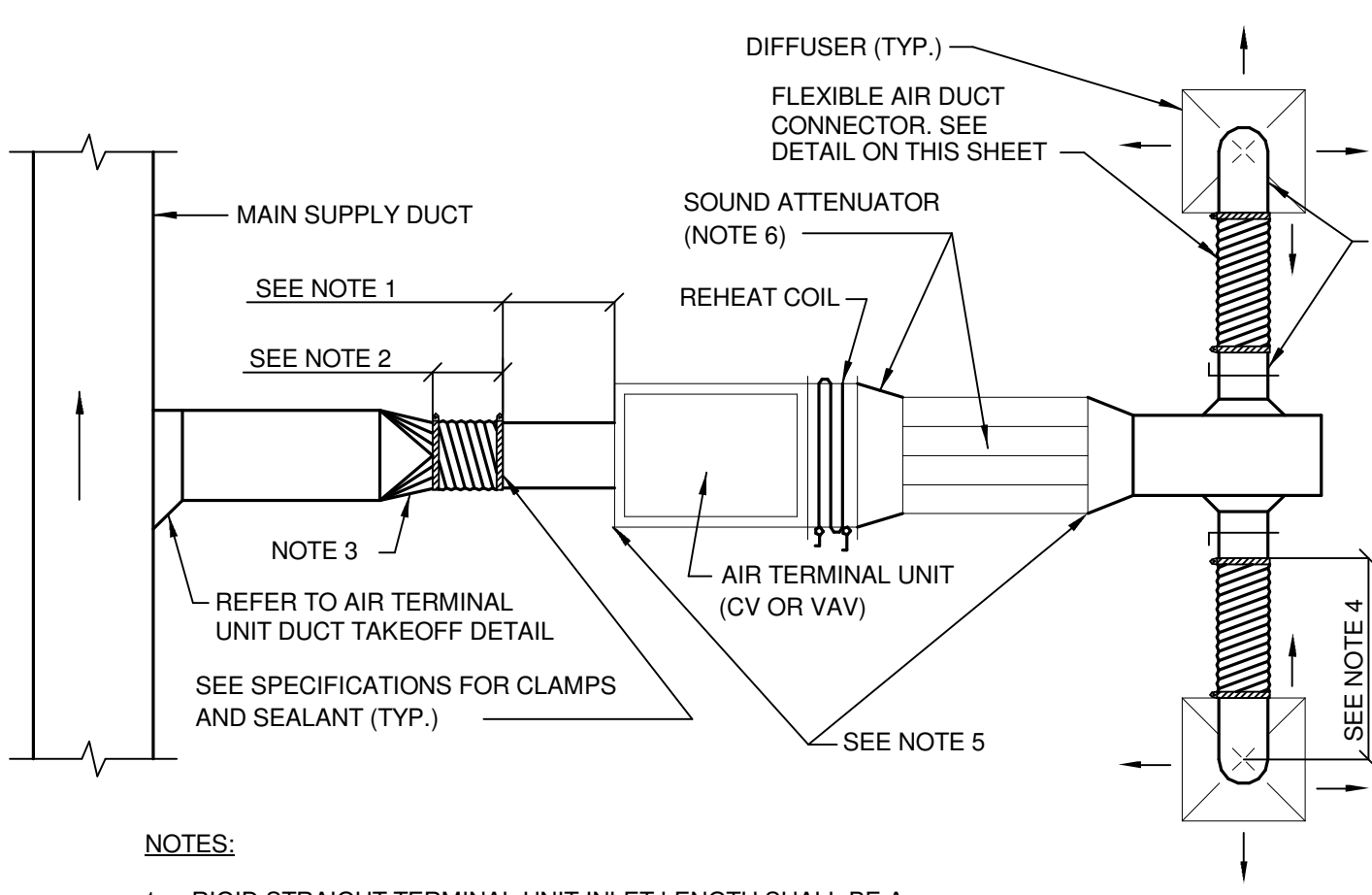
FULLY SPRINKLERED

GENERAL NOTES  
A REFER TO SHEET P001 FOR LEGEND, SYMBOLS & INDEX OF DRAWINGS.

PLAN NOTES  
1 EXISTING TO REMAIN.

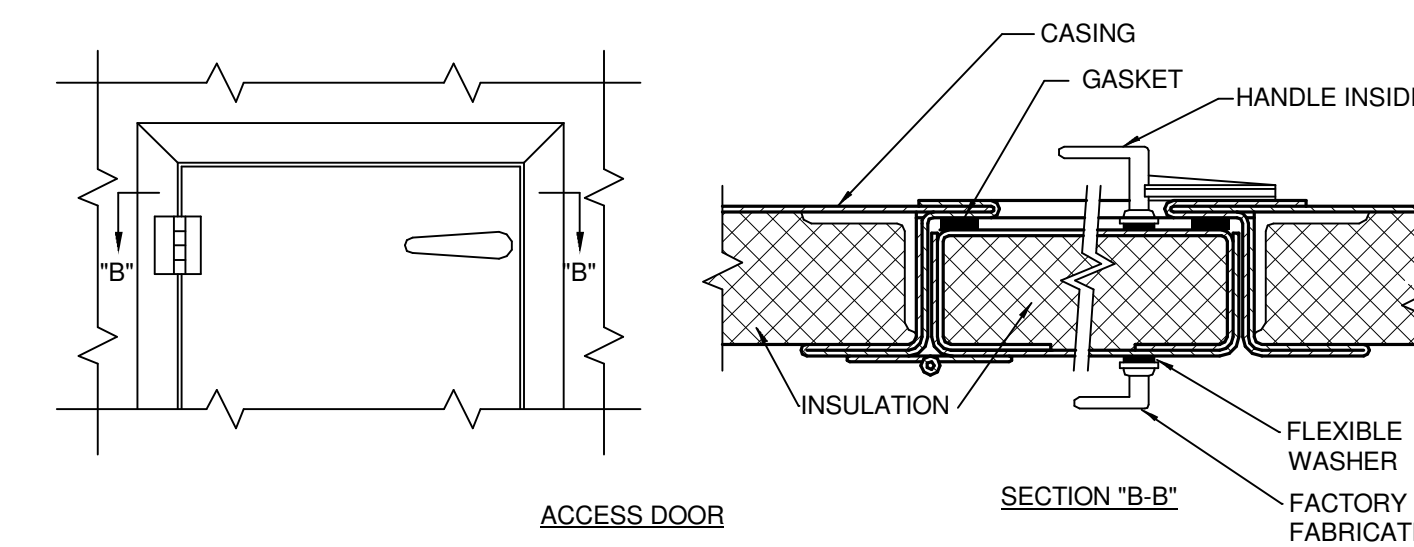
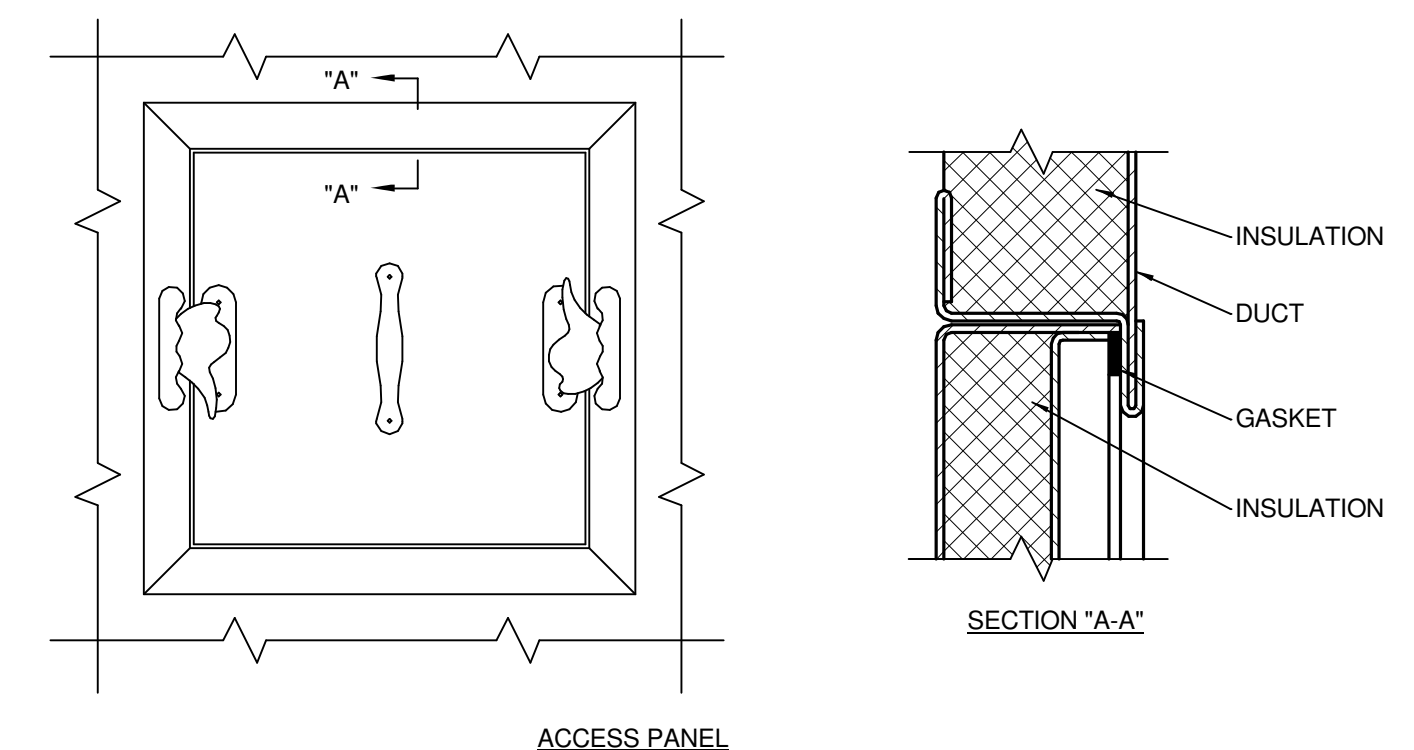






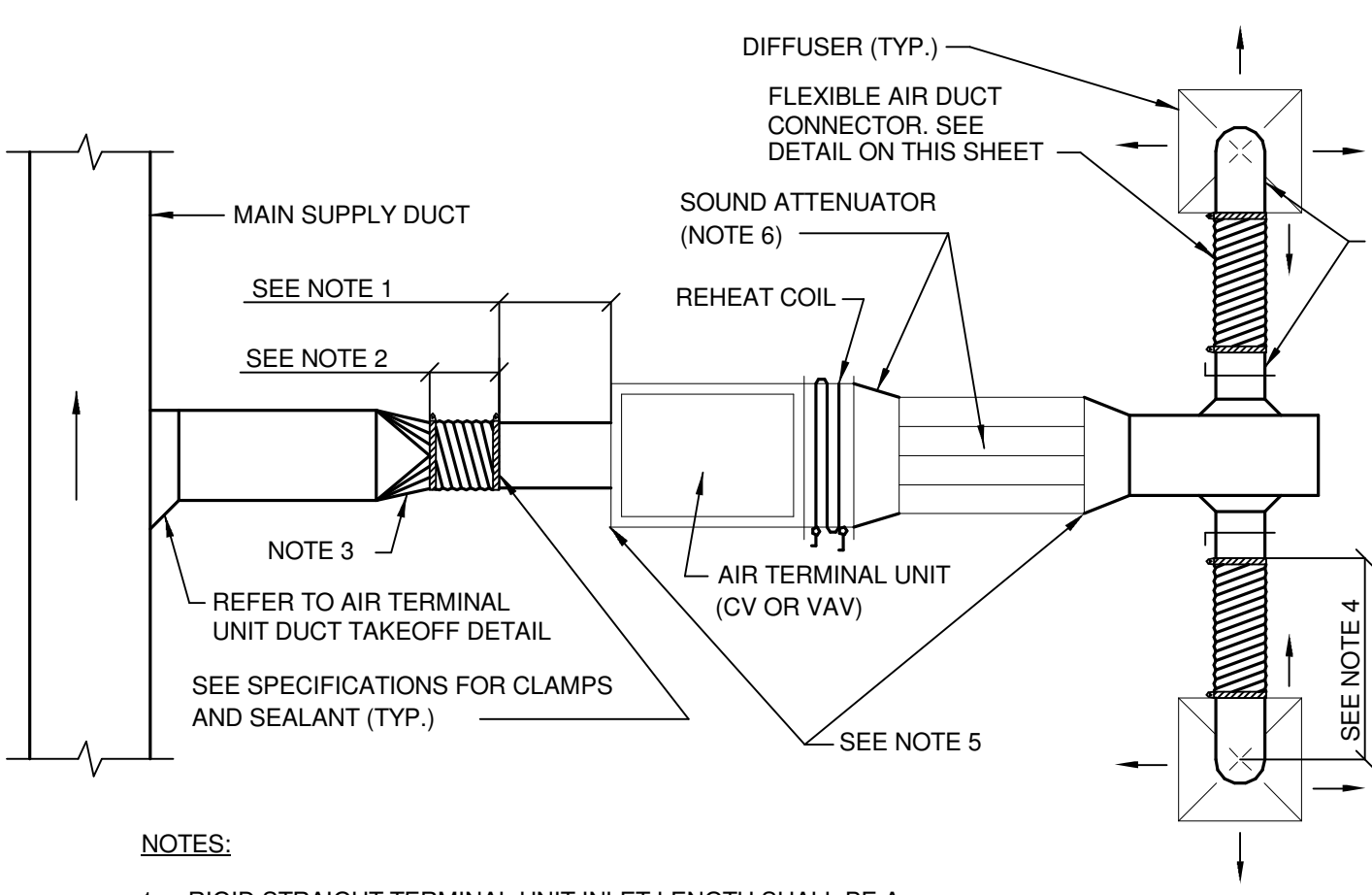
- NOTES:
1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF INLET SO AS TO ACHIEVE ACCURATE AIRFLOW SENSOR READINGS.
  2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO THIS BOX, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 3'-0".
  3. PROVIDE DUCT TRANSITION WHERE SCHEDULED DUCT RUNOUT SIZE TO UNIT IS DIFFERENT THAN TERMINAL UNIT INLET SIZE.
  4. FLEXIBLE AIR DUCT CONNECTORS, WHEN USED FROM TERMINAL UNIT SUPPLY AIR DUCT TO DIFFUSER, SHALL NOT EXCEED 5'-0". USE RIGID ELBOWS FOR CHANGE OF DIRECTION GREATER THAN 45°.
  5. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION W/VAPOR BARRIER FOR CONNECTING DUCT SECTIONS.
  6. PROVIDE SOUND ATTENUATOR. PROVIDE DUCT TRANSITION BETWEEN TERMINAL UNIT AND SOUND ATTENUATOR WHERE ATTENUATOR SIZE DIFFERS FROM TERMINAL UNIT OUTLET SIZE.
  7. DUCT RUNOUT TO DIFFUSERS SHALL BE SAME SIZE AS THE DIFFUSER NECK SIZE UNLESS OTHERWISE NOTED.

### DUCT CONNECTIONS-AIR TERMINAL UNITS



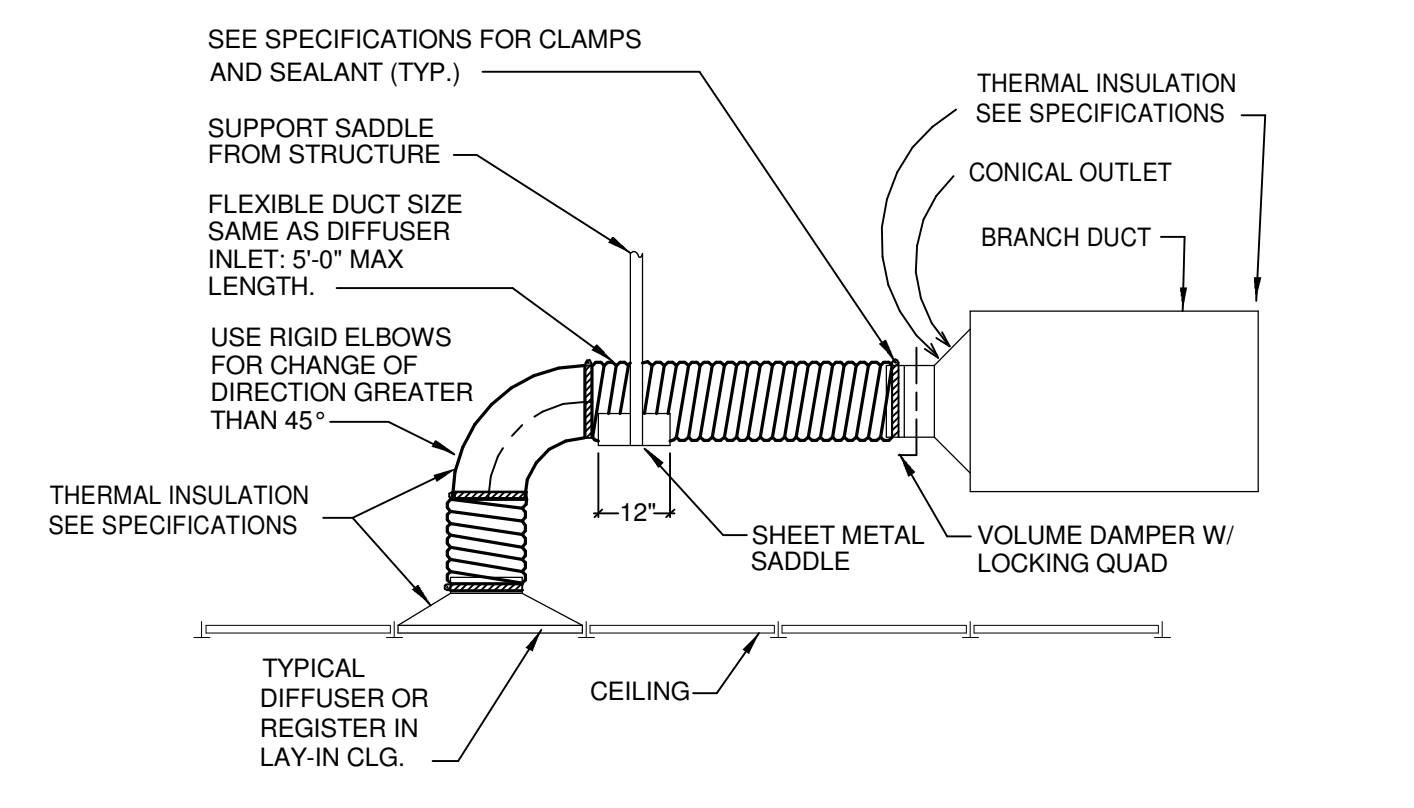
- NOTES:
1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
  2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
  3. SEE SMACNA 2005, FIGURE 9-15

### ACCESS PANEL AND DOOR DETAIL

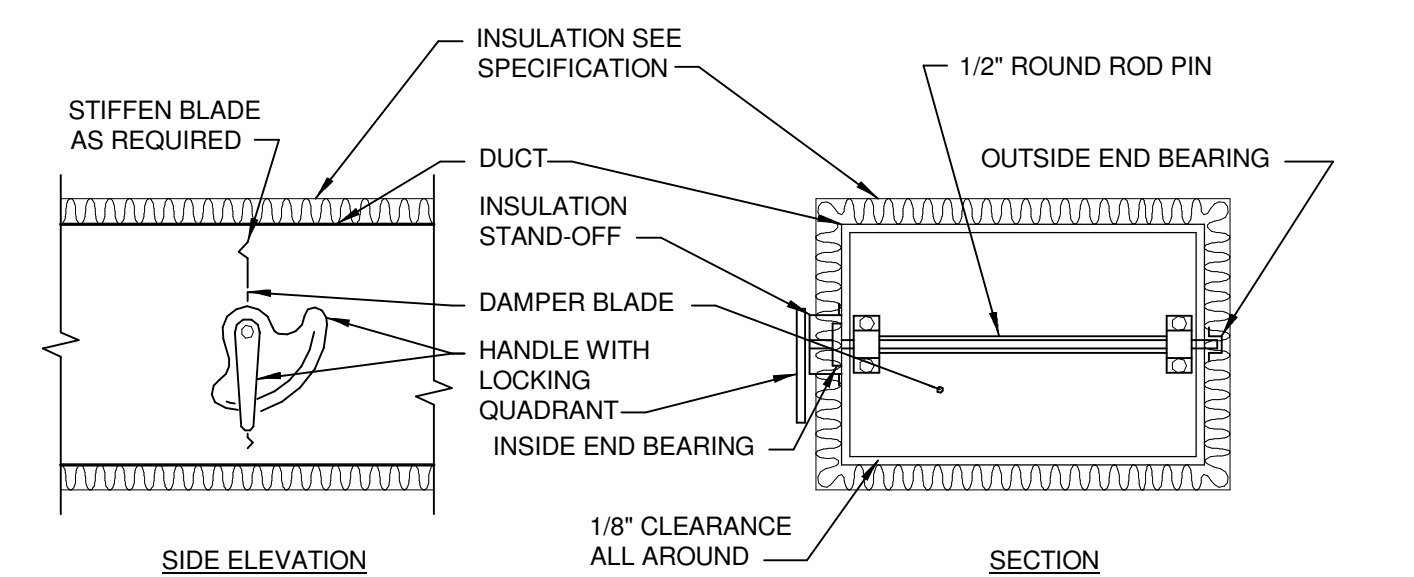


- NOTES:
1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF INLET SO AS TO ACHIEVE ACCURATE AIRFLOW SENSOR READINGS.
  2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO THIS BOX, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 3'-0".
  3. PROVIDE DUCT TRANSITION WHERE SCHEDULED DUCT RUNOUT SIZE TO UNIT IS DIFFERENT THAN TERMINAL UNIT INLET SIZE.
  4. FLEXIBLE AIR DUCT CONNECTORS, WHEN USED FROM TERMINAL UNIT SUPPLY AIR DUCT TO DIFFUSER, SHALL NOT EXCEED 5'-0". USE RIGID ELBOWS FOR CHANGE OF DIRECTION GREATER THAN 45°.
  5. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION W/VAPOR BARRIER FOR CONNECTING DUCT SECTIONS.
  6. PROVIDE SOUND ATTENUATOR IF REQUIRED TO MEET DESIGN ROOM NC. PROVIDE DUCT TRANSITION BETWEEN TERMINAL UNIT AND SOUND ATTENUATOR WHERE ATTENUATOR SIZE DIFFERS FROM TERMINAL UNIT OUTLET SIZE.
  7. DUCT RUNOUT TO DIFFUSERS SHALL BE SAME SIZE AS THE DIFFUSER NECK SIZE UNLESS OTHERWISE NOTED.

### DUCT CONNECTIONS-AIR TERMINAL UNITS

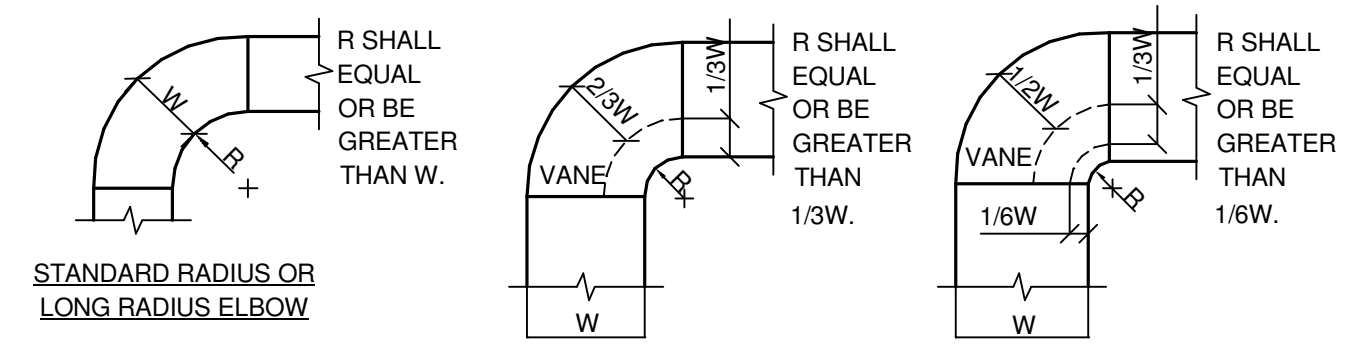


### FLEXIBLE AIR DUCT CONNECTOR



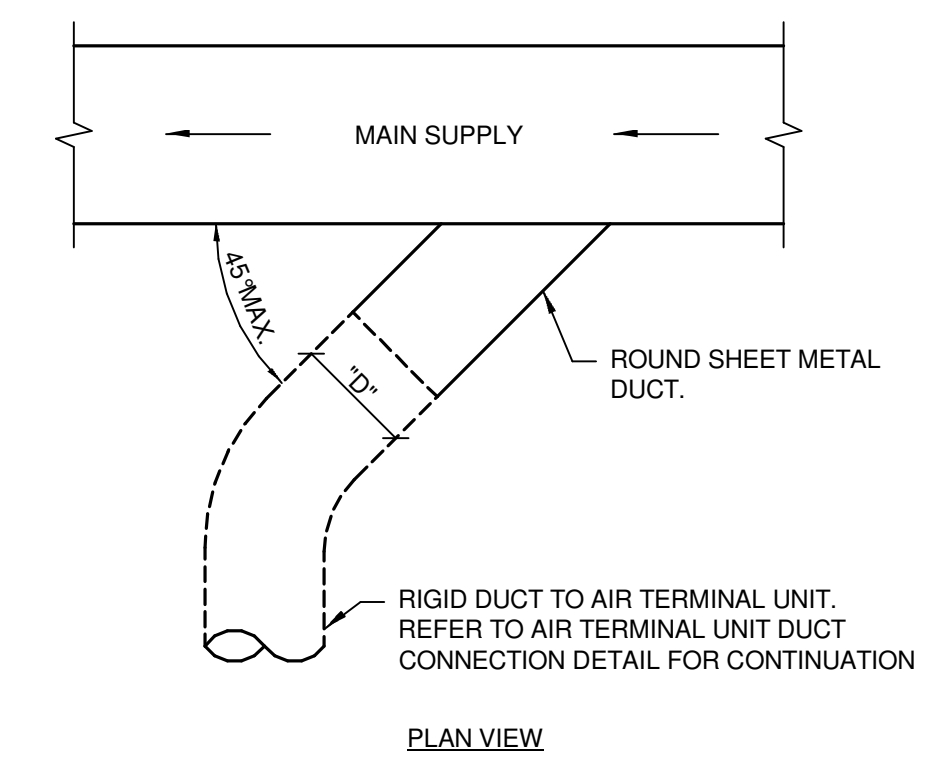
- NOTES:
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
  2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

### VOLUME DAMPER DETAIL

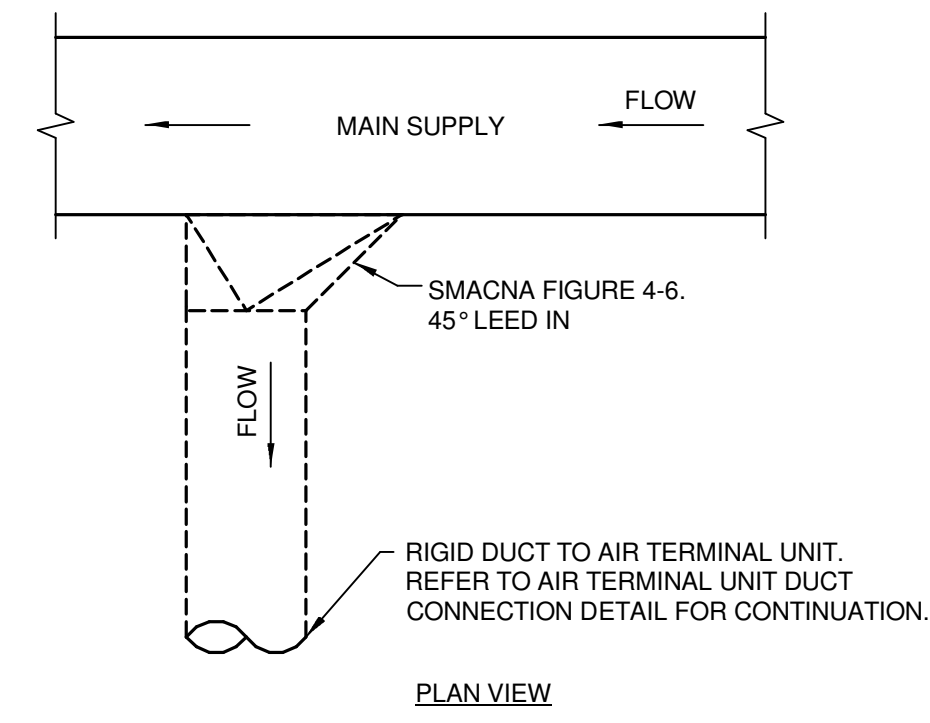


- NOTES:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
  2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

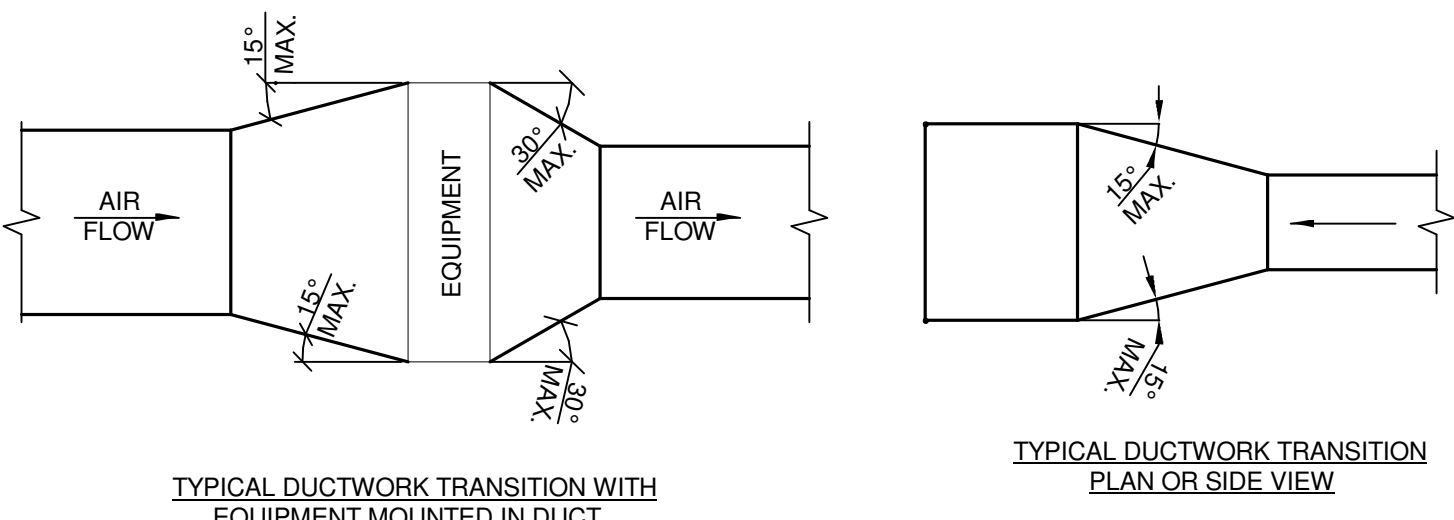
### DUCTWORK RADIUS ELBOWS



### SUPPLY DUCT TAKEOFF - AIR TERMINAL UNITS



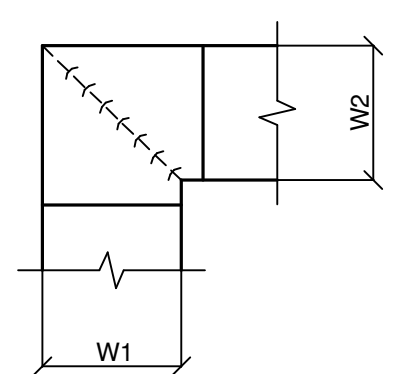
### ALTERNATE SUPPLY DUCT TAKEOFF - AIR TERMINAL UNITS



- NOTE:
- UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

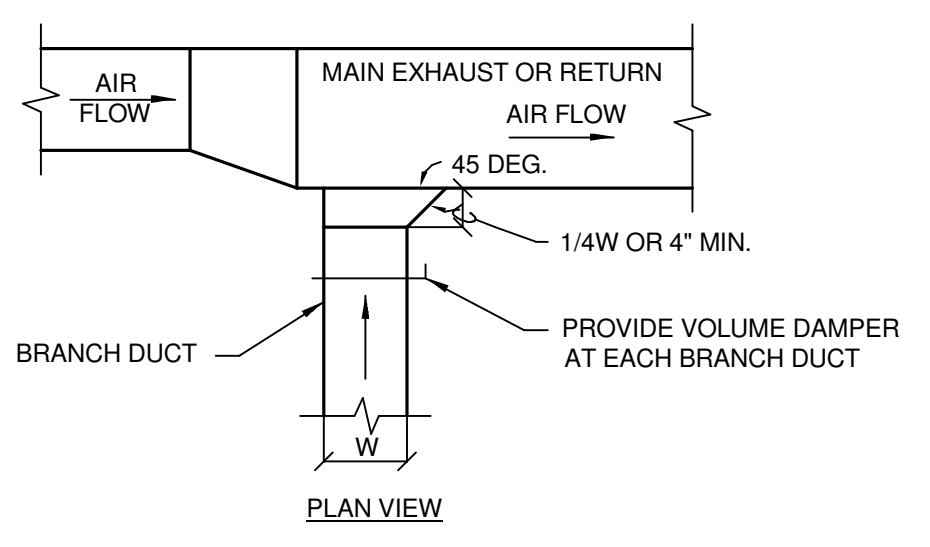
### DUCTWORK TRANSITIONS

## FULLY SPRINKLERED

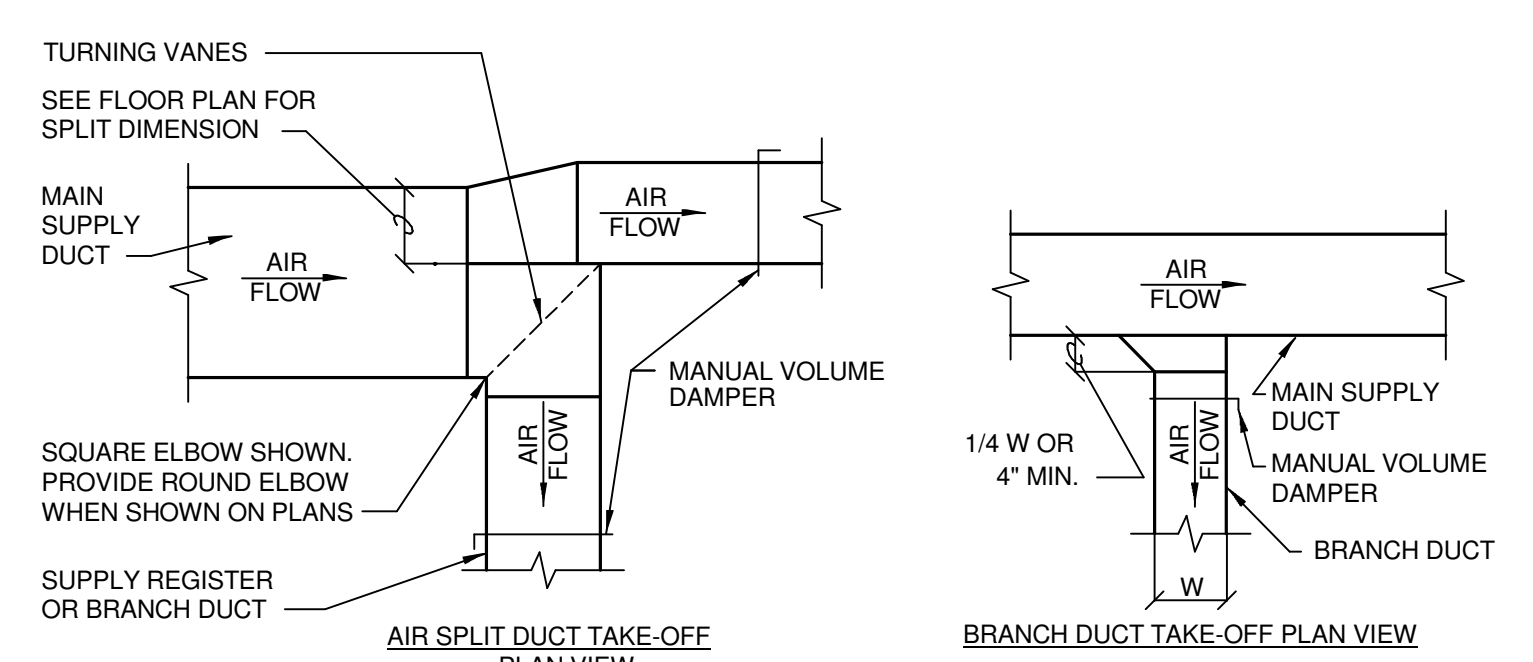


- NOTES:
1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
  2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
  3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
  4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20", VANES SHALL BE DOUBLE VANE TYPE.

### DUCTWORK SQUARE VANE ELBOWS

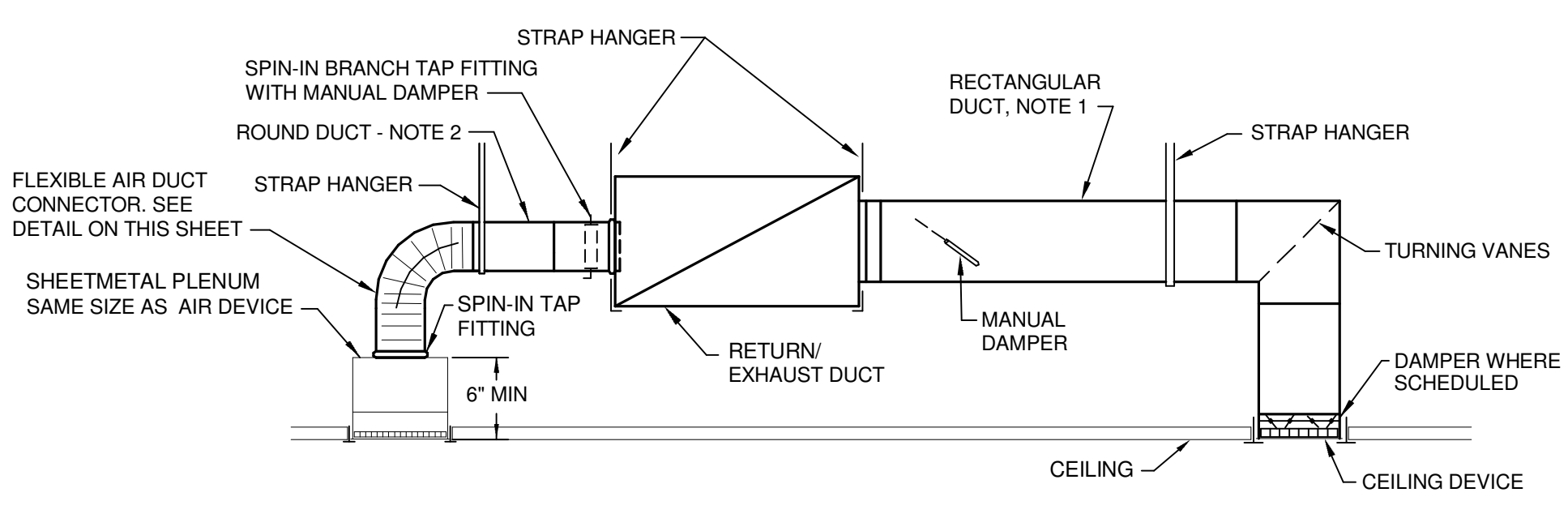


### EXHAUST OR RETURN BRANCH DUCTWORK



THE BRANCH DUCT TAKE-OFF MAY BE USED FOR UP TO 15% OF THE MAIN DUCT CFM ANYTIME, AND UP TO 40% WHEN THE MAIN DUCT VELOCITY IS 1000 FPM OR LESS. THE AIR SPLIT DUCT TAKE-OFF SHALL BE USED IN ALL OTHER CASES.

### SUPPLY DUCTWORK TAKE-OFFS



- NOTES:
1. BRANCH DUCT TAKE-OFF WITH MANUAL DAMPER.
  2. BRANCH DUCT SIZES, UNLESS NOTED ON PLANS ARE TO BE SIZED AS FOLLOWS:  
100 CFM AND LESS - 6" DIA.  
101 CFM TO 250 CFM - 8" DIA.  
251 CFM TO 400 CFM - 10" DIA.  
401 CFM TO 700 CFM - 12" DIA.

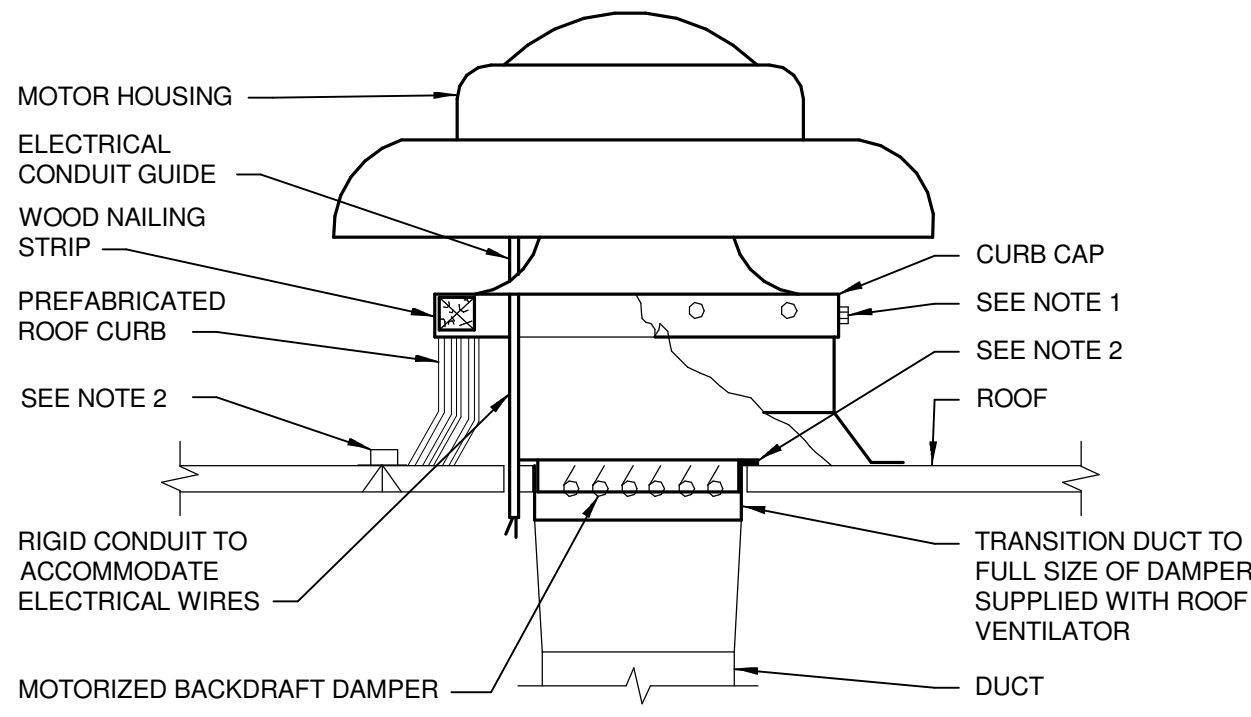
### RETURN OR EXHAUST GRILLE/REGISTER CONNECTION

<p>Revisions</p> <table border="1"><thead><tr><th>No.</th><th>Description</th><th>Date</th></tr></thead><tbody><tr><td>1</td><td>35% Schematic Design</td><td>03.05.2015</td></tr><tr><td>2</td><td>65% Design Development</td><td>04.28.2015</td></tr><tr><td>3</td><td>95% Owner Review</td><td>08.14.2015</td></tr><tr><td>4</td><td>100% Construction Documents</td><td>11.04.2015</td></tr><tr><td>5</td><td>Bid Set Drawings</td><td>01.15.2016</td></tr></tbody></table>		No.	Description	Date	1	35% Schematic Design	03.05.2015	2	65% Design Development	04.28.2015	3	95% Owner Review	08.14.2015	4	100% Construction Documents	11.04.2015	5	Bid Set Drawings	01.15.2016	<p>CONSULTANTS:</p> <p><b>Heapy Engineering</b> MEP Design Technology Planning Commissioning Energy <i>Nationally Recognized Leader in Sustainability</i> 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com Heapy Project No.: 2014-04034 Firm License No.: Q1528</p>		<p>ARCHITECT/ENGINEERS:</p> <p><b>JOHN POE ARCHITECTS</b> 3131 NEWMARK DRIVE, SUITE 202 MIAMISBURG, OHIO 45342 937 461 3290 PHONE jpae@johnpoe.com</p>		<p>Drawing Title</p> <p><b>DETAILS</b></p> <p>Approved: Project Director</p>		<p>Project Title</p> <p><b>RELOCATE PROSTHETICS AND PODIATRY CLINICS</b></p> <p>Location <b>Dayton, Ohio</b></p> <p>Date <b>05.16.2016</b></p> <p>Checked <b>PCW</b></p> <p>Drawn <b>WJS</b></p>		<p>Project No. VA Project No. <b>552-15-502</b> JPA Project No. <b>14006.00</b></p> <p>Building Number <b>999</b></p> <p>Drawing Number <b>M501</b></p> <p>Dwg. of</p>		<p>Office of Construction and Facilities Management</p> <p>Department of Veterans Affairs</p>	
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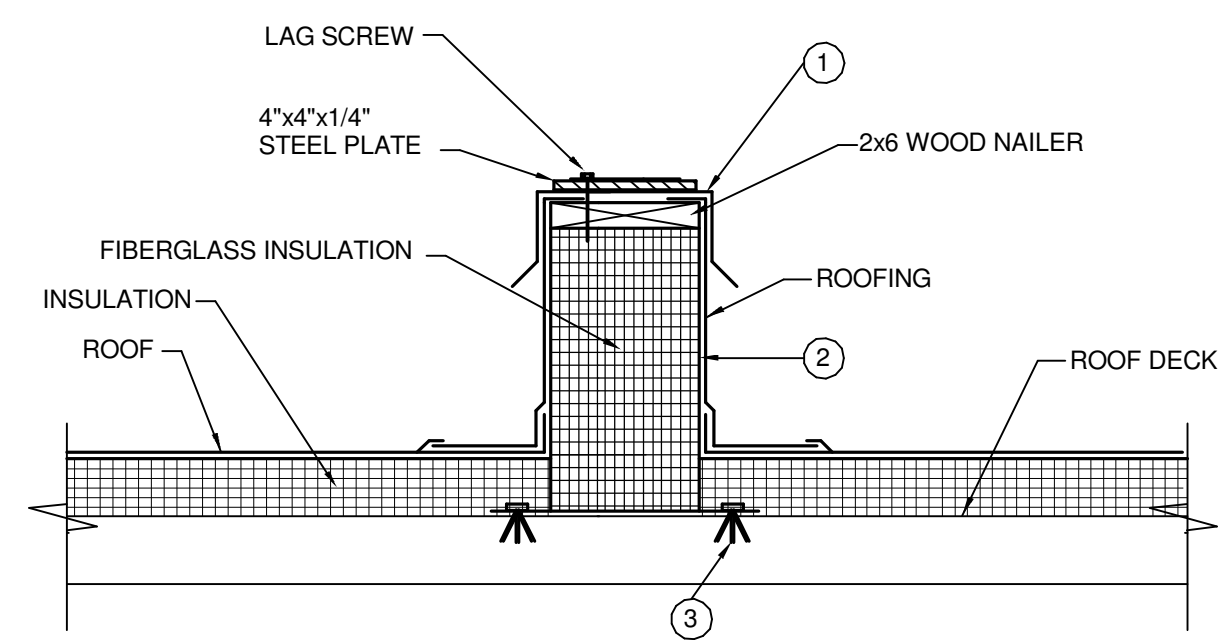




FULLY SPRINKLERED



- NOTES:
1. SECURE CURB CAP TO WOOD NAILING STRIP WITH 3/8" CADMIUM PLATED LAG BOLTS NOT OVER 12" ON CENTER.
  2. SECURE ROOF CURB, DUCTWORK AND DAMPER TO ROOF WITH EXPANSION BOLTS (CONCRETE ROOF) OR RUST RESISTANT BOLTS (METAL DECK AND BAR JOIST ROOF).
  3. SIZE OF DUCT THROUGH ROOF SHALL NOT BE LARGER THAN CURB SUPPLIED WITH ROOF VENTILATOR.
  4. RUN ELECTRICAL LINES THROUGH CLEARANCE HOLE PROVIDED IN GRAVITY DAMPER, THEN THROUGH VENTILATOR ELECTRICAL CONDUIT GUIDE.



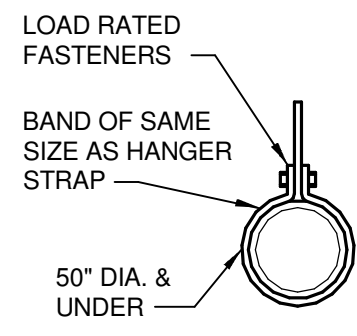
- 1 18 GAUGE GALVANIZED STEEL COUNTER-FLASHING.
- 2 WELDED 14 GAUGE EQUIPMENT SUPPORT CURB, MEETING ASTM A-446, 525, 526 AND 527 REQUIREMENTS, WITH WELDED CORNERS WITH SEAMS JOINED BY CONTINUOUS WELDS. CURB SHALL BE INTERNALLY REINFORCED WITH BULKHEADS AND SPREADERS, 24" ON CENTER TO MEET LOAD RATING OF EQUIPMENT. CURB TO EXTEND 6" BEYOND EQUIPMENT. REFER TO FLOOR PLANS FOR HEIGHT.
- 3 SECURE CURB TO ROOF WITH EXPANSION BOLTS (CONCRETE ROOF) OR RUST RESISTANT BOLTS (METAL DECK AND BAR JOIST ROOF), 12" O.C.

GENERAL NOTE:

1. THIS DETAIL IS NOT INTENDED FOR ROOFTOP AHU SUPPORT. REFER TO STRUCTURAL DRAWINGS FOR REQUIREMENTS OF ROOFTOP AHU SUPPORT.

POWER ROOF VENTILATOR

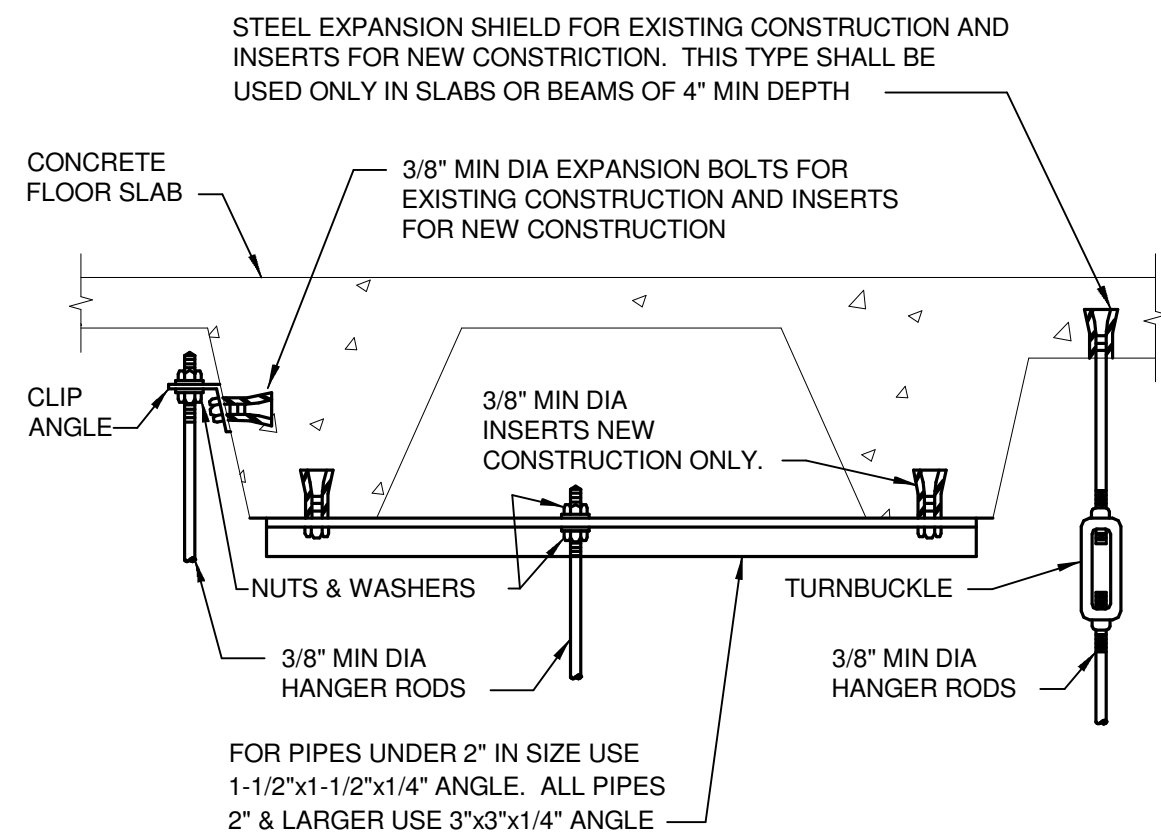
EQUIPMENT/DUCT SUPPORT ROOF CURB



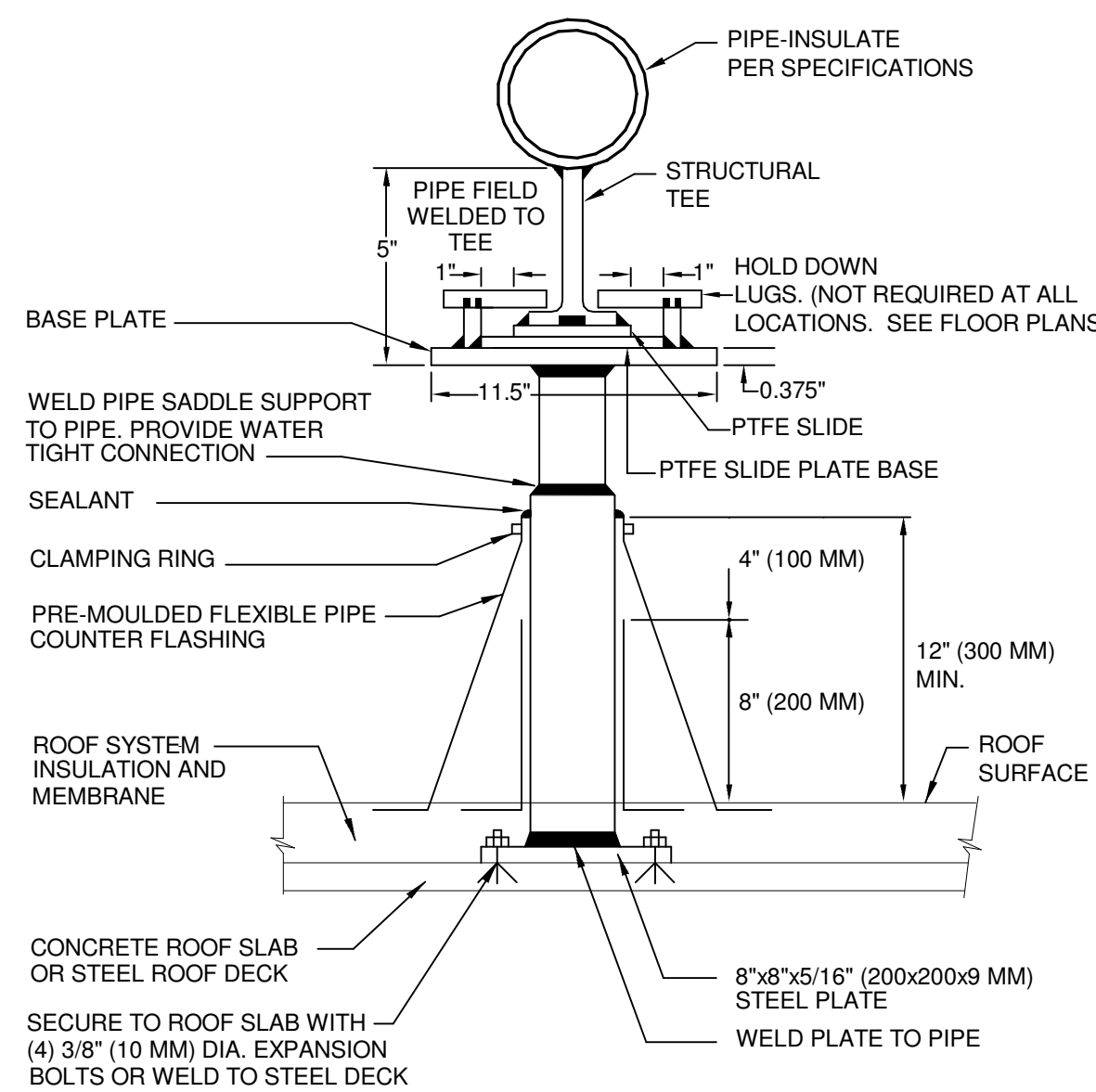
HANGER STRAPS OR RODS			
MAX. DUCT DIA. - IN.	QUANTITY/SIZE IN.	MAX. LOAD LBS.	MAX. SPACING IN.
26	ONE 1 x 22 GA. STRAP	260	144
36	ONE 1 x 18 GA. STRAP	420	144
50	ONE 1 x 16 GA. STRAP	700	144
60	TWO 3/8 DIA. RODS	1320	144
84	TWO 1/2 DIA. RODS	2500	144

NOTE: TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

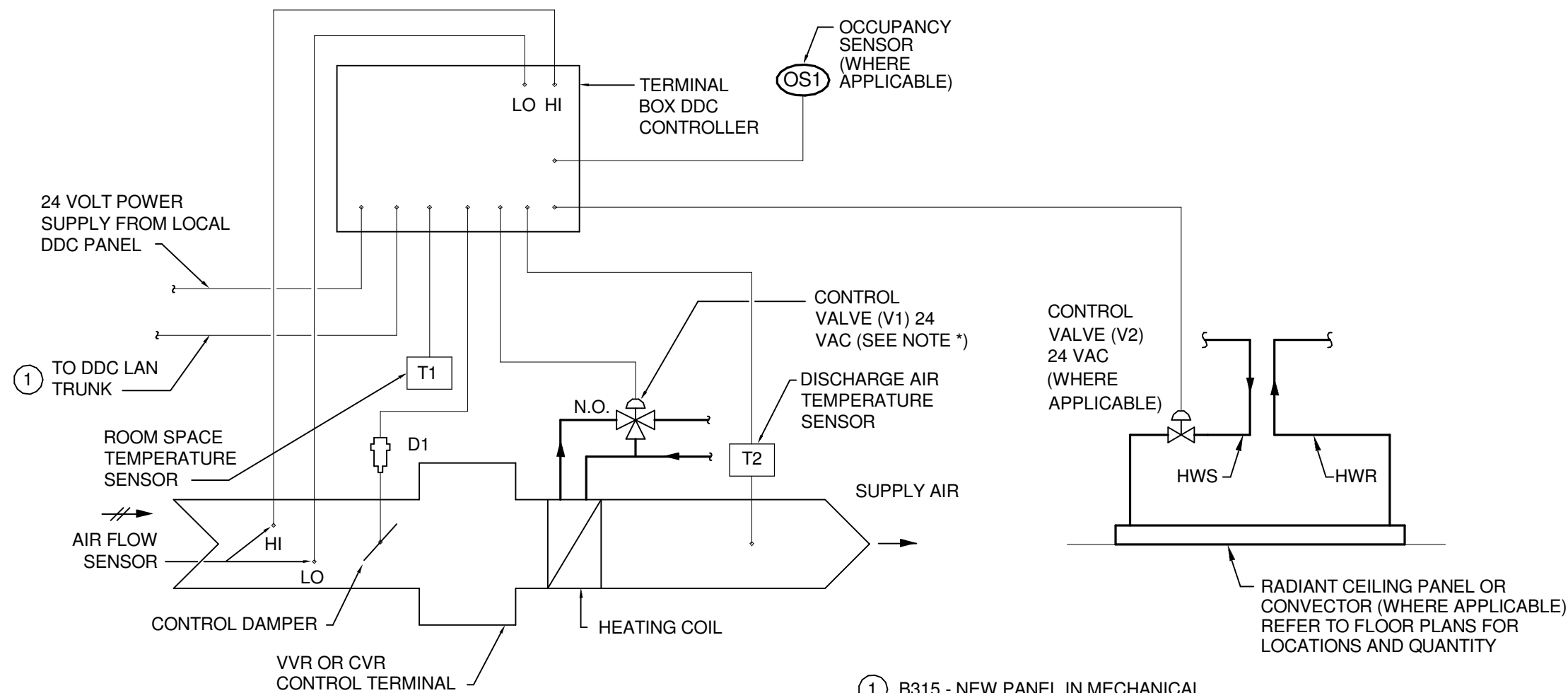
ROUND DUCT HANGERS



SECURING HANGER RODS IN CONCRETE

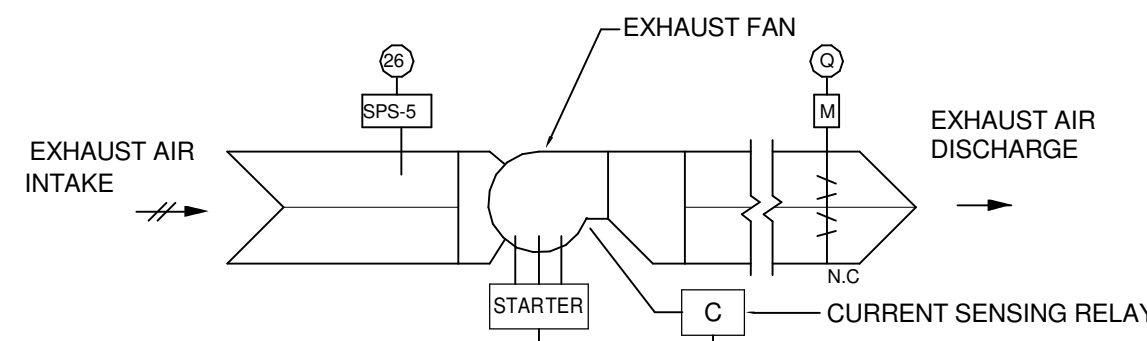


DETAIL FOR SUPPORTING PIPE ON ROOF



\* REFER TO AIR TERMINAL UNIT SCHEDULE ON SHEET M601 FOR VALVE TYPE (2-WAY OR 3-WAY)

**CVR AND VVR TERMINAL CONTROLS**



GENERAL EXHAUST FANS

- 1 EXHAUST FAN CONTROLS
- 1.1 EXHAUST FAN SHALL BE STARTED AND STOPPED BY THE DCP OR REMOTELY AT THE EDC. EACH FAN SHALL BE SOFTWARE INTERLOCKED TO OPERATE WITH ITS RESPECTIVE AIR HANDLING UNIT. H-O-A SWITCH SHALL BE KEPT IN THE "AUTO" POSITION. "HAND" AND "OFF" SHALL BE USED ONLY FOR MAINTENANCE.

FUME HOOD EXHAUST FANS

- 1 EXHAUST FAN CONTROLS
- 1.1 EXISTING CONTROLS SHALL BE RELOCATED WITH THE HOODS AND TIED INTO NEW FANS.

GENERAL NOTES

- 1 A COMPLETE SYSTEM OF AUTOMATIC TEMPERATURE CONTROLS SHALL BE INSTALLED UNDER THIS CONTRACT AS REQUIRED TO ACCOMPLISH THE SEQUENCE OF CONTROL FOR VARIOUS ITEMS OF EQUIPMENT AND SYSTEMS AS DESCRIBED HEREINAFTER. THE SYSTEM SHALL BE A DIRECT DIGITAL CONTROL SYSTEM UTILIZING ELECTRIC ACTUATION.
- 2 ELECTRICAL WORK INCLUDES A POWER SOURCE TO THE MOTOR STARTERS. ALL HVAC POWER SOURCES REQUIRED BEYOND THESE STARTERS OR BEYOND SOURCES EXPLICITLY SHOWN ON THE ELECTRICAL DRAWINGS, SHALL BE PROVIDED UNDER THE ATC WORK. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO WIRING, CONDUIT, TRANSFORMERS, RELAYS AND FUSES.
- 3 CONTROLS SHALL BE FULLY INTEGRATED INTO EXISTING CAMPUS SYSTEM AND PROPER GRAPHICS SHALL BE CREATED TO MIMIC EXISTING.
- 4 BULB WELLS FOR TEMPERATURE SENSING AS INDICATED SHALL BE FURNISHED UNDER THE ATC WORK AND INSTALLED AS PART OF THE HVAC PIPING WORK. PIPING WORK SHALL INCLUDE PROPERLY SIZED WELDOLET OR THREADED FITTINGS PLACED AS DIRECTED BY THE CONTROL SYSTEM SUPPLIER.

CVR & VVR CONTROL SEQUENCES WITH OCCUPANCY SENSING

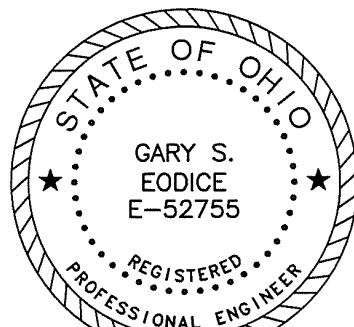
- 1 CONSTANT VOLUME REHEAT TERMINAL CONTROL
- 1.1 DURING THE OCCUPIED MODE OF OPERATION, WHEN ROOM TEMPERATURE AT T1 IS BELOW SETPOINT, HOT WATER VALVE V1 AND V2 (WHERE APPLICABLE), SHALL MODULATE OPEN TO COIL TO MAINTAIN TEMPERATURE SETPOINT. BOX DAMPER D1 SHALL REMAIN AT CONSTANT MAXIMUM CFM.
- 1.2 EACH TERMINAL UNIT SHALL INCLUDE AN AIRFLOW SENSOR FOR CALCULATING CFM, AND A DISCHARGE AIR TEMPERATURE SENSOR.
- 1.3 EXTEND 24 VOLT POWER TO THE TERMINAL BOX CONTROLLER FROM THE ASSOCIATED AIR HANDLING UNIT DDC CONTROL PANEL.
- 1.4 ROOM SPACE TEMPERATURE SET POINT SHALL BE ADJUSTABLE FROM THE FRONT END COMPUTER INTERFACE.
- 1.5 OCCUPANCY SENSOR OS1 PROVIDED UNDER DIV. 26 SHALL DETERMINE OCCUPIED/UNOCCUPIED MODES OF OPERATION. TO INVOKE UNOCCUPIED SEQUENCE (1.6 BELOW), OCCUPANCY SENSORS FOR ALL SPACES ON A GIVEN TERMINAL UNIT ZONE MUST SATISFY THIS CONDITION. EXTEND LOW VOLTAGE WIRING FROM ALL APPLICABLE OCCUPANCY SENSOR(S) TO THE TERMINAL UNIT CONTROLLER.
- 1.6 DURING THE UNOCCUPIED MODE OF OPERATION, THE CONTROL DAMPER ACTUATOR D1 SHALL POSITION TO THE UNOCCUPIED AIRFLOW SETTING (REFER TO AIR TERMINAL UNIT SCHEDULE, SHEET M601).
- 1.7 DURING THE UNOCCUPIED MODE OF OPERATION, WHEN THE ROOM TEMPERATURE AT T1 IS BELOW THE UNOCCUPIED HEATING SETPOINT (REFER TO HVAC DESIGN DATA SCHEDULE, SHEET M601), THE CONTROL SHALL INDEX TO THE OCCUPIED HEATING MODE OF OPERATION. THE CONTROL SHALL REVERT TO UNOCCUPIED OPERATION (SEE 1.6 ABOVE) WHEN ROOM TEMPERATURE T1 RISES 2 DEGREES (ADJUSTABLE) ABOVE THE UNOCCUPIED HEATING SETPOINT.
- 1.8 DURING THE UNOCCUPIED MODE OF OPERATION, WHEN THE ROOM TEMPERATURE AT T1 IS ABOVE THE UNOCCUPIED COOLING SETPOINT (REFER TO HVAC DESIGN DATA SCHEDULE, SHEET M601), THE CONTROL SHALL INDEX TO THE OCCUPIED COOLING MODE OF OPERATION. THE CONTROL SHALL REVERT TO UNOCCUPIED OPERATION (SEE 1.6 ABOVE) WHEN ROOM TEMPERATURE T1 REDUCES 2 DEGREES (ADJUSTABLE) BELOW THE UNOCCUPIED COOLING SETPOINT.
- 2 VARIABLE VOLUME REHEAT TERMINAL CONTROL
- 2.1 DURING THE OCCUPIED MODE OF OPERATION, WHEN ROOM TEMPERATURE AT T1 IS BELOW SETPOINT, THE CONTROL DAMPER ACTUATOR, D1 SHALL MODULATE THE DAMPER TO REDUCE AIRFLOW TO THE SUMMER MINIMUM SETTING. ON A FURTHER DROP IN ROOM TEMPERATURE AT T1, THE CONTROL DAMPER SHALL BE MODULATED UPWARD TO THE WINTER MINIMUM AIRFLOW AND THE HOT WATER VALVE V1 AND V2 (WHERE APPLICABLE) SHALL MODULATE OPEN TO COIL TO MAINTAIN TEMPERATURE SETPOINT.
- 2.2 DURING THE OCCUPIED MODE OF OPERATION, AS ROOM TEMPERATURE RISES ABOVE SETPOINT, HOT WATER VALVE V1 SHALL CLOSE. IF THE ROOM TEMPERATURE CONTINUES TO RISE ABOVE SETPOINT, DAMPER D1 SHALL MODULATE FROM SUMMER (COOLING) MINIMUM AIRFLOW TO MAXIMUM AIRFLOW TO MAINTAIN ROOM TEMPERATURE.
- 2.3 EACH TERMINAL UNIT SHALL INCLUDE AN AIRFLOW SENSOR FOR CALCULATING CFM, AND A DISCHARGE AIR TEMPERATURE SENSOR
- 2.4 EXTEND 24 VOLT POWER TO THE TERMINAL BOX CONTROLLER FROM THE ASSOCIATED AIR HANDLING UNIT DDC CONTROL PANEL.
- 2.5 ROOM SPACE TEMPERATURE SET POINT SHALL BE ADJUSTABLE FROM THE FRONT END COMPUTER INTERFACE.
- 2.6 OCCUPANCY SENSOR OS1 PROVIDED UNDER DIV. 26 SHALL DETERMINE OCCUPIED/UNOCCUPIED MODES OF OPERATION. TO INVOKE UNOCCUPIED SEQUENCE (2.7 BELOW), OCCUPANCY SENSORS FOR ALL SPACES ON A GIVEN TERMINAL UNIT ZONE MUST SATISFY THIS CONDITION. EXTEND LOW VOLTAGE WIRING FROM ALL APPLICABLE OCCUPANCY SENSOR(S) TO THE TERMINAL BOX CONTROLLER.
- 2.7 DURING THE UNOCCUPIED MODE OF OPERATION, THE CONTROL DAMPER ACTUATOR D1 SHALL POSITION TO THE UNOCCUPIED AIRFLOW SETTING (REFER TO AIR TERMINAL UNIT SCHEDULE, SHEET M601).
- 2.8 DURING THE UNOCCUPIED MODE OF OPERATION, WHEN THE ROOM TEMPERATURE AT T1 IS BELOW THE UNOCCUPIED HEATING SETPOINT (REFER TO HVAC DESIGN DATA SCHEDULE, SHEET M601), THE CONTROL SHALL INDEX TO THE OCCUPIED HEATING MODE OF OPERATION. THE CONTROL SHALL REVERT TO UNOCCUPIED OPERATION (SEE 2.7 ABOVE) WHEN ROOM TEMPERATURE T1 RISES 2 DEGREES (ADJUSTABLE) ABOVE THE UNOCCUPIED HEATING SETPOINT.
- 2.9 DURING THE UNOCCUPIED MODE OF OPERATION, WHEN THE ROOM TEMPERATURE AT T1 IS ABOVE THE UNOCCUPIED COOLING SETPOINT (REFER TO HVAC DESIGN DATA SCHEDULE, SHEET M601), THE CONTROL SHALL INDEX TO THE OCCUPIED COOLING MODE OF OPERATION. THE CONTROL SHALL REVERT TO UNOCCUPIED OPERATION (SEE 2.7 ABOVE) WHEN ROOM TEMPERATURE T1 REDUCES 2 DEGREES (ADJUSTABLE) BELOW THE UNOCCUPIED COOLING SETPOINT.

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Revisions		Date
1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	01.15.2016

CONSULTANTS:

**Heapy Engineering**  
MEP Design Technology Planning Commissioning Energy  
*Nationally Recognized Leader in Sustainability*  
1400 W Dorothy Lane, Dayton, OH 45409-1310  
Ph 937-224-0861 Fax 937-224-5777 www.heapy.com  
Heapy Project No.: 2014-04034 Firm License No.: Q1528



ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS

3131 NEWMARK DRIVE,  
SUITE 200  
MIAMISBURG, OHIO 45342  
937 461 3290 PHONE  
jpa@johnpoe.com

Drawing Title

DETAILS AND CONTROLS

Approved: Project Director

Project Title

RELOCATE PROSTHETICS  
AND PODIATRY CLINICS

Location

Dayton, Ohio

Date

05.16.2016

Checked

PCW

Drawn

WJS

Project No.

VA Project No. 552-15-502  
JPA Project No. 14006.00

Building Number

999

Drawing Number

M503

Dwg. of

Office of  
Construction  
and Facilities  
Management

Department of  
Veterans Affairs



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AIR DISTRIBUTION DEVICES									
SYMBOL	DESCRIPTION	TYPE MOUNTING		MATERIAL		FINISH		ACCESSORIES	SEE NOTE
		LAY-IN	SURFACE	STEEL	ALUM.	E.C.L.	W.B.E.		
BG1	HEAVY DUTY FIXED BLADE GRILLE - 38" HORIZONTAL BLADES-0.5" SPACING		*	*			*		
CD1	STANDARD SQ. PLAQUE CEILING DIFFUSER ROUND NECK	*		*			*		
CD2	STANDARD SQ. PLAQUE CEILING DIFFUSER ROUND NECK		*	*			*		
CD3	LINEAR PLENUM SLOT ADJUSTABLE BLADE DIFFUSER	*		*			*	INSULATED PLENUM	1,2
CG1	EGGCRATE CEILING GRILLE	*		*			*		
CG2	EGGCRATE CEILING GRILLE		*	*			*		
CR1	EGGCRATE CEILING REGISTER	*		*			*	OPPOSED BLADE DAMPER	
CR2	EGGCRATE CEILING REGISTER		*	*			*	OPPOSED BLADE DAMPER	
TG1	FIXED BLADE GRILLE 45 DEGREE BLADES - 0.75" SPACING		*	*			*		3
TR1	ADJUSTABLE BLADE REGISTER		*	*			*	OPPOSED BLADE DAMPER	3
TR2	FIXED BLADE REGISTER 45 DEGREE BLADES - 0.75" SPACING		*	*			*	OPPOSED BLADE DAMPER	3

NOTES:  
1 48" LENGTH, 3-1" SLOTS  
2 AIR DEVICE TO INCLUDE A CENTER NOTCH TO ACCOMMODATE A 2 FT. X 2 FT. CEILING GRID.  
3 HORIZONTAL BLADES

FAN SCHEDULE															
FAN NO. (2)	LOCATION	FAN CFM	FAN S.P.	FAN TYPE	DESCRIPTION	WHEEL		MAX. RPM	DRIVE	MAX. SONES (dBA)	MOTOR				SEE NOTE
						TYPE	MIN. DIA.				MAX. BHP	NOM. HP (1)	PHASE VOLT.	VSD	
EF-212	B315 ROOF	900	1"	PEF	PLUME EXHAUST FAN	BIW	15"	2,700	BELT	-	3.48	5	460-3PH	NO	3
EF-213	B315 ROOF	900	1"	PEF	PLUME EXHAUST FAN	BIW	15"	2,700	BELT	-	3.48	5	460-3PH	NO	3
EF-215	B315 ROOF	1740	0.4"	PEF	PLUME EXHAUST FAN	BIW	12"	1,200	DIRECT	6.4	0.21	0.25	115-1PH	NO	
EF-1	B315 ROOF	2500	0.75"	CF	POWER ROOF VENTILATOR	BIW	16"	1,200	BELT	13.9	0.63	0.75	460-3PH	NO	
EF-2	B315 ROOF	1640	0.4"	CF	POWER ROOF VENTILATOR	BIW	16"	800	BELT	6.4	0.21	0.25	115-1PH	NO	

NOTES :  
1 MOTORS SHALL BE ENERGY EFFICIENT TYPE.  
2 CONTACT PLANT ENGINEERS FOR ACTUAL FAN NUMBER.  
3 LAB SYSTEM EXHAUST=900 CFM; BYPASS AIRFLOW=3223 CFM; TOTAL INLET AIRFLOW=3222 CFM; ENTRAINMENT AIRFLOW=1189 CFM; TOTAL OUTLET AIRFLOW=4411 CFM.

DUCT PRESSURE CLASS & LEAKAGE TABLE							
SYSTEM	DUCT INVOLVED	POSITIVE (P) OR NEGATIVE (N) PRESSURE	SMACNA CONST. CLASS W.G.	SMACNA SEAL CLASS	SMACNA LEAKAGE CLASS		
					RECTANGULAR DUCT	ROUND DUCT	
ALL SYSTEMS	ALL DUCTWORK EXCEPT AS LISTED BELOW.	P/N	+ 2"	A	6	3	
	SUPPLY AIR DUCTS FROM OUTLET OF AH-UNIT TO INLET OF AIR TERMINAL UNITS.	P	4"	A	6	3	
	SUPPLY AIR DUCTS FROM OUTLET OF AIR TERMINAL UNITS TO SUPPLY AIR DEVICES	P	1"	A	6	3	
	RETURN AIR DUCTS FROM CEILING REGISTERS TO INLET OF AH-UNIT	N	-2"	A	6	3	
	GENERAL EXHAUST DUCTS	N	-2"	A	6	3	
	LABORATORY HOOD DUCTS	WELDED STAINLESS STEEL					

HVAC DESIGN DATA					
OUTDOOR DESIGN TEMPERATURES:	90.3	DEG. F	DB SUMMER	DESIGN ALTITUDE:1004 FT.	
	73.6	DEG. F	WB SUMMER		
	6		DEG. F	DB WINTER	
INDOOR AREA DESIGN CONDITIONS	SUMMER			WINTER	
	Db (°F)	% HUMIDITY	Db (°F)	% HUMIDITY	
BATHROOMS & TOILET ROOMS	75	-	68	30	
ALL OTHER AREAS	75	50	70	30	
UNOCCUPIED MODE (1)	80	-	60	-	

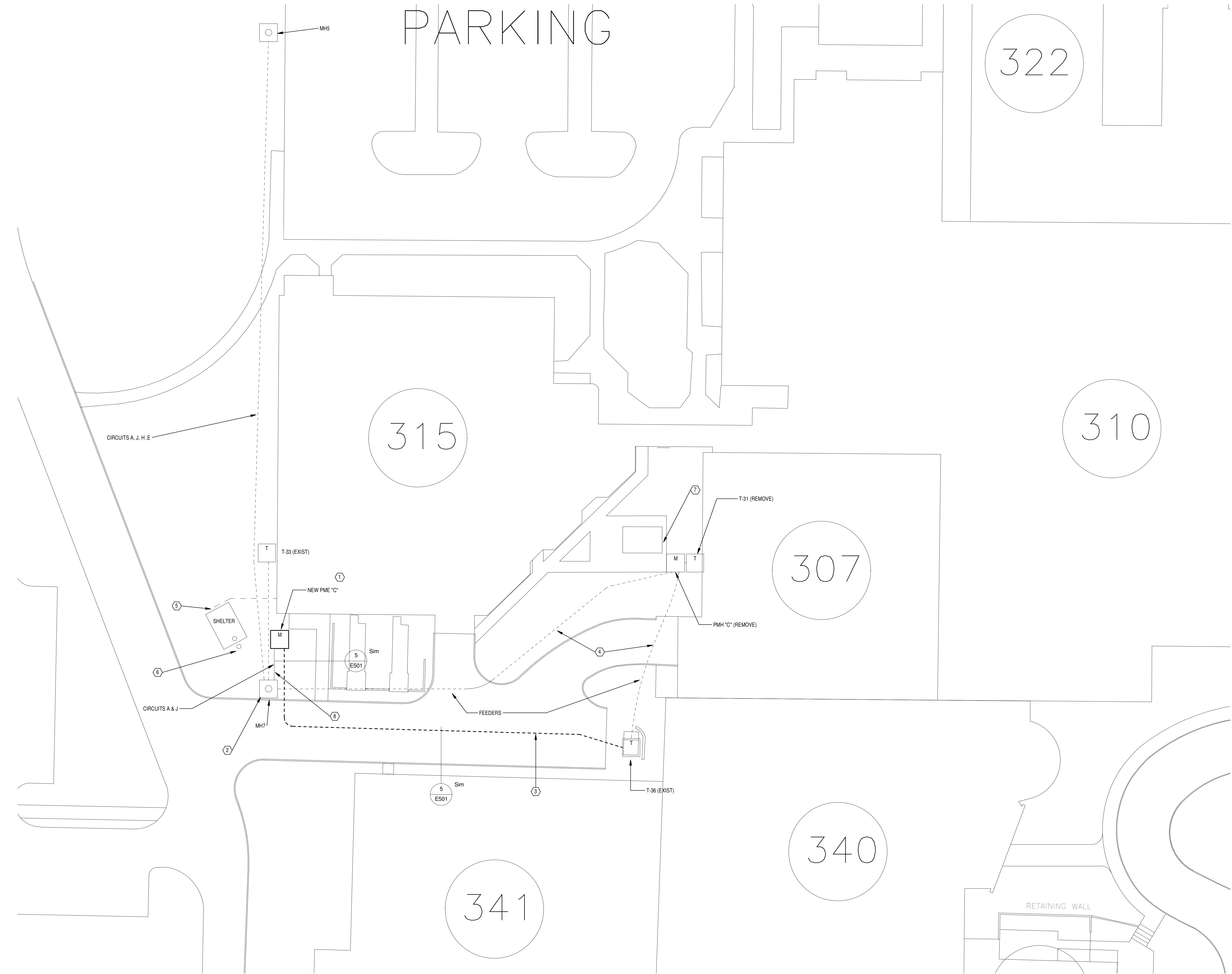
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GENERAL NOTES

A REFER TO SHEET ES01 FOR LEGEND, SYMBOLS & INDEX OF DRAWINGS.

PLAN NOTES

1. NEW PADMOUNT "PME" SWITCH. FEED FROM EXISTING CIRCUIT IN MANHOLE #5. INSTALL 6" CONCRETE PAD FOR SWITCH.
2. PROVIDE DEAD BREAK ELBOWS IN MANHOLE FOR CONNECTION TO NEW PME "C" FEEDER.
3. CUT AND PATCH ROAD FOR TRANSFORMER T-36 FEEDER. SEE SINGLE LINE DIAGRAM FOR FURTHER DETAILS.
4. REMOVE CABLES FROM EXISTING CONDUITS.
5. RELOCATED SMOKING SHELTER. PROVIDE ELECTRIC SERVICE AS INDICATED. REFEED FROM BUILDING #315. 4#2 AWG, 8 GRND, 1-1/4" TC. PROVIDE GROUND ROD AT SERVICE PANEL. AND BOND TO GROUND IN PANEL. 1# BARE SOLID GROUND WIRE. CONNECT TO MAIN PANEL "MD" SPARE 100/3A CIRCUIT BREAKER LOCATED IN ELECTRIC ROOM.
6. WIRE (2) ADA BUTTONS ON BOLLARDS TO MOTORIZED DOOR IN SHELTER. 2#12, 12 GRND 3/4". ONE INSIDE AND ONE OUTSIDE AT DOOR. RELOCATE THEM FROM EXISTING SHELTER LOCATION. SEE ENGRAINED SHELTER ON ARCHITECTURAL SHEETS FOR FURTHER DETAILS.
7. OLD SHELTER LOCATION. DISCONNECT ELECTRIC FEEDER AND REMOVE WIRE AND CONDUIT BACK TO SOURCE. PANEL 4E-GB.
8. (4) 4" CONDUITS IN DUCT BANK. CIRCUITS A & J TO NEW PME-C SWITCH. RUN (3)#350 1-CONDUCTOR 15KV CABLE IN 4" C. FOR EACH CIRCUIT. INCLUDE TWO 4" SPARES IN DUCTBANK.

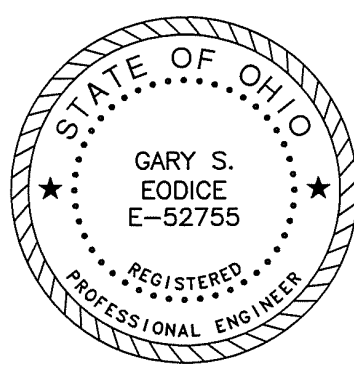


**SITE PLAN**  
Scale: 1" = 20'-0"  
PROJECT

Revisions		Date
1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
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5	Bid Set Drawings	01.15.2016

CONSULTANTS:

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MEP Design Technology Planning Commissioning Energy  
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1400 W Dorothy Lane, Dayton, OH 45409-1310  
Ph 937-224-0861 Fax 937-224-5777 www.heapy.com  
Heapy Project No.: 2014-04034 Firm License No.: Q1528



ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS

3131 NEWMARK DRIVE,  
SUITE 200  
MIAMISBURG, OHIO 45342  
937 461 3290 PHONE  
jpae@johnpoe.com

Drawing Title

ELECTRICAL SITE PLAN

Approved: Project Director

Project Title

RELOCATE PROSTHETICS  
AND PODIATRY CLINICS

Location

Dayton, Ohio

Date

05.16.2016

Checked

MSG

Drawn

SC

Project No.

VA Project No. 552-15-502  
JPA Project No. 14006.00

Building Number

999

Drawing Number

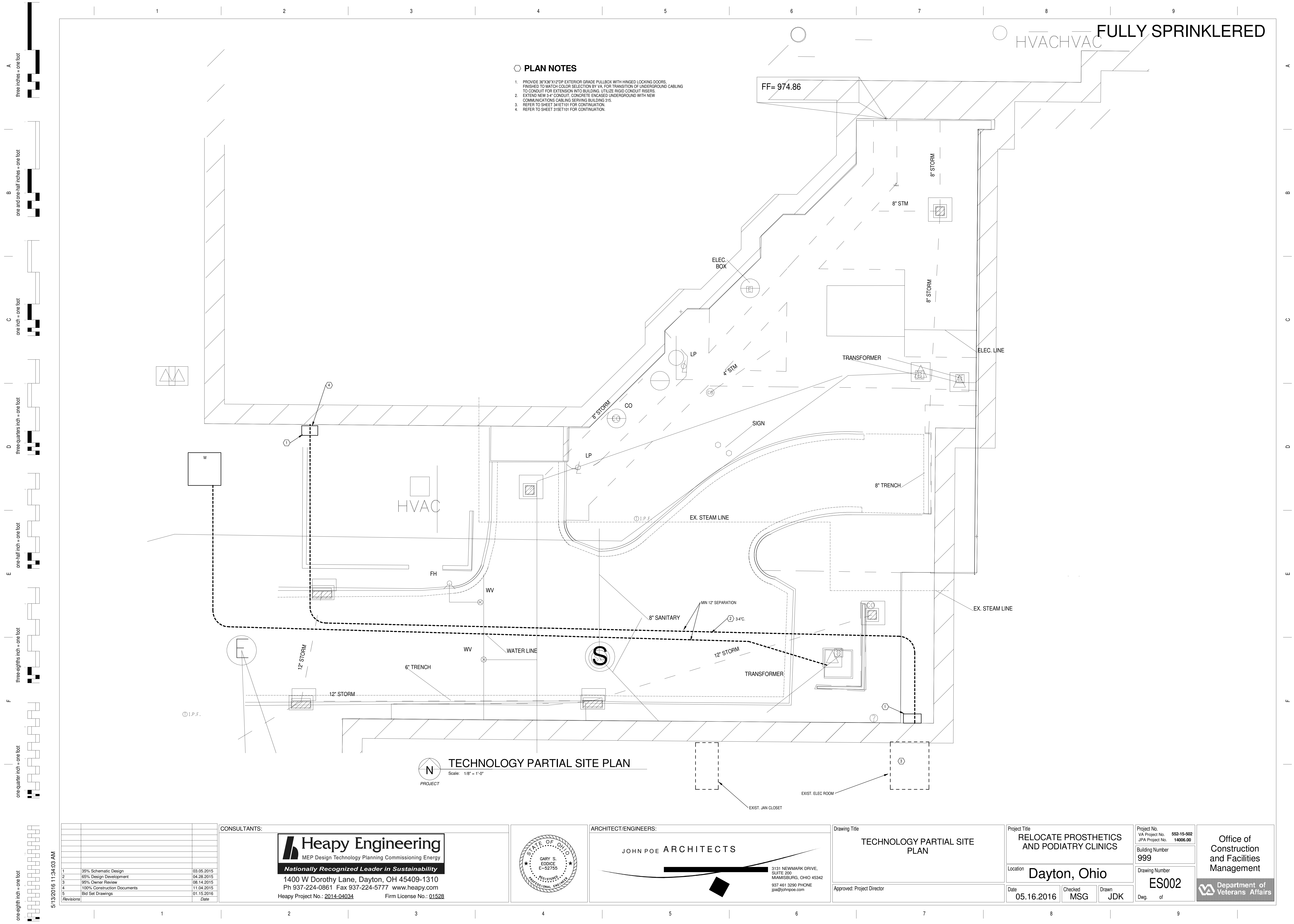
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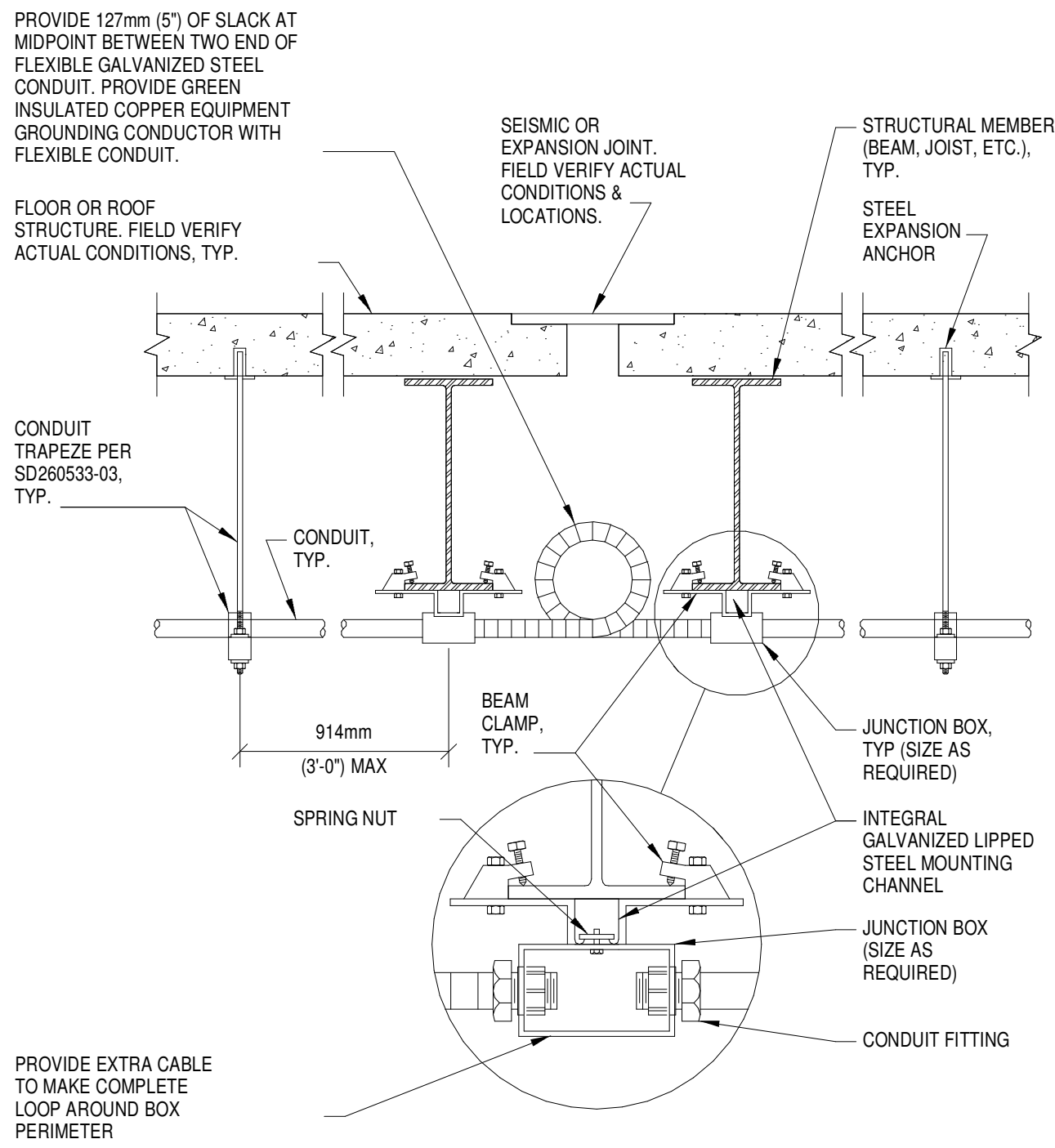
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Construction  
and Facilities  
Management







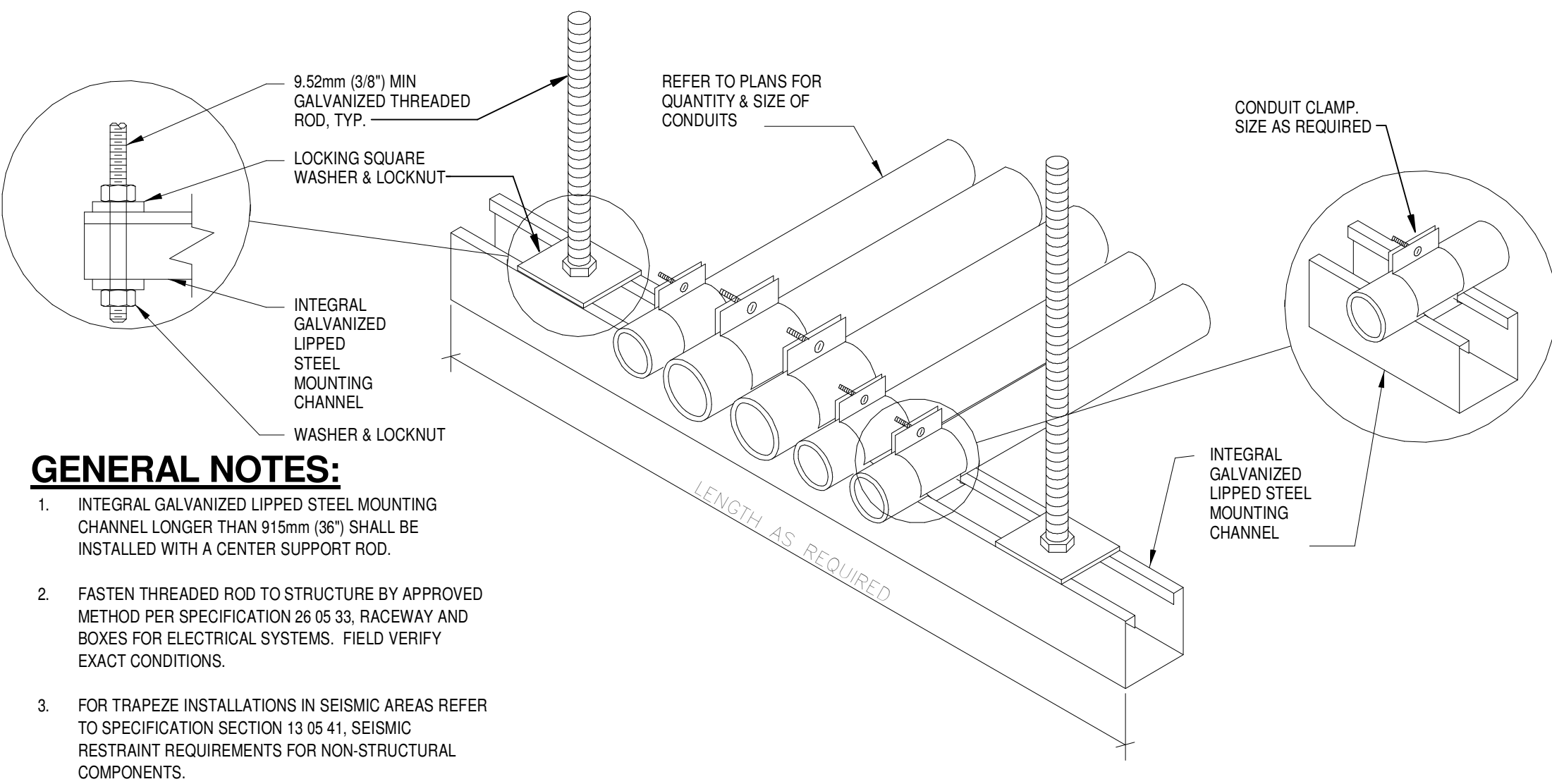


GENERAL NOTE:

1. DETAIL IS APPLICABLE ONLY FOR CONDUIT SMALLER THAN 76mm (3").

1 CONDUIT EXPANSION JOINT CROSSING DETAIL - FLEXIBLE CONDUIT

SCALE: 1/2" = 1'-0"

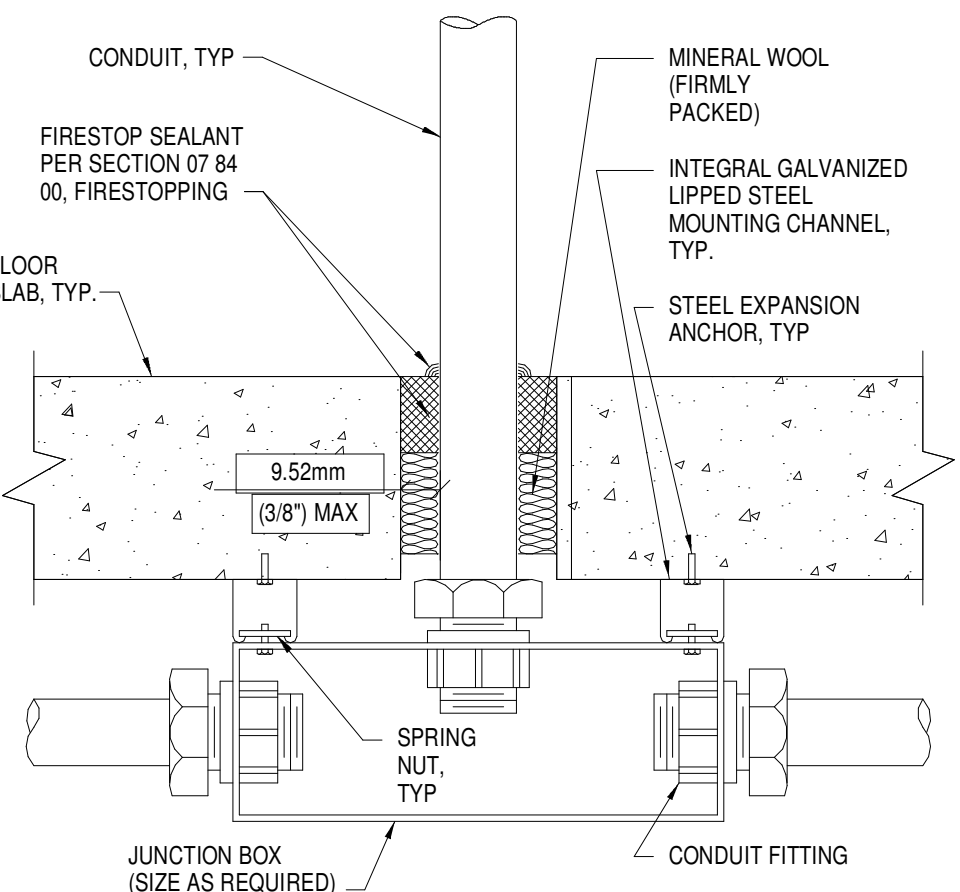


GENERAL NOTES:

1. INTEGRAL GALVANIZED LIPPED STEEL MOUNTING CHANNEL LONGER THAN 915mm (36") SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 28 05 33, RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.
3. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 13 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

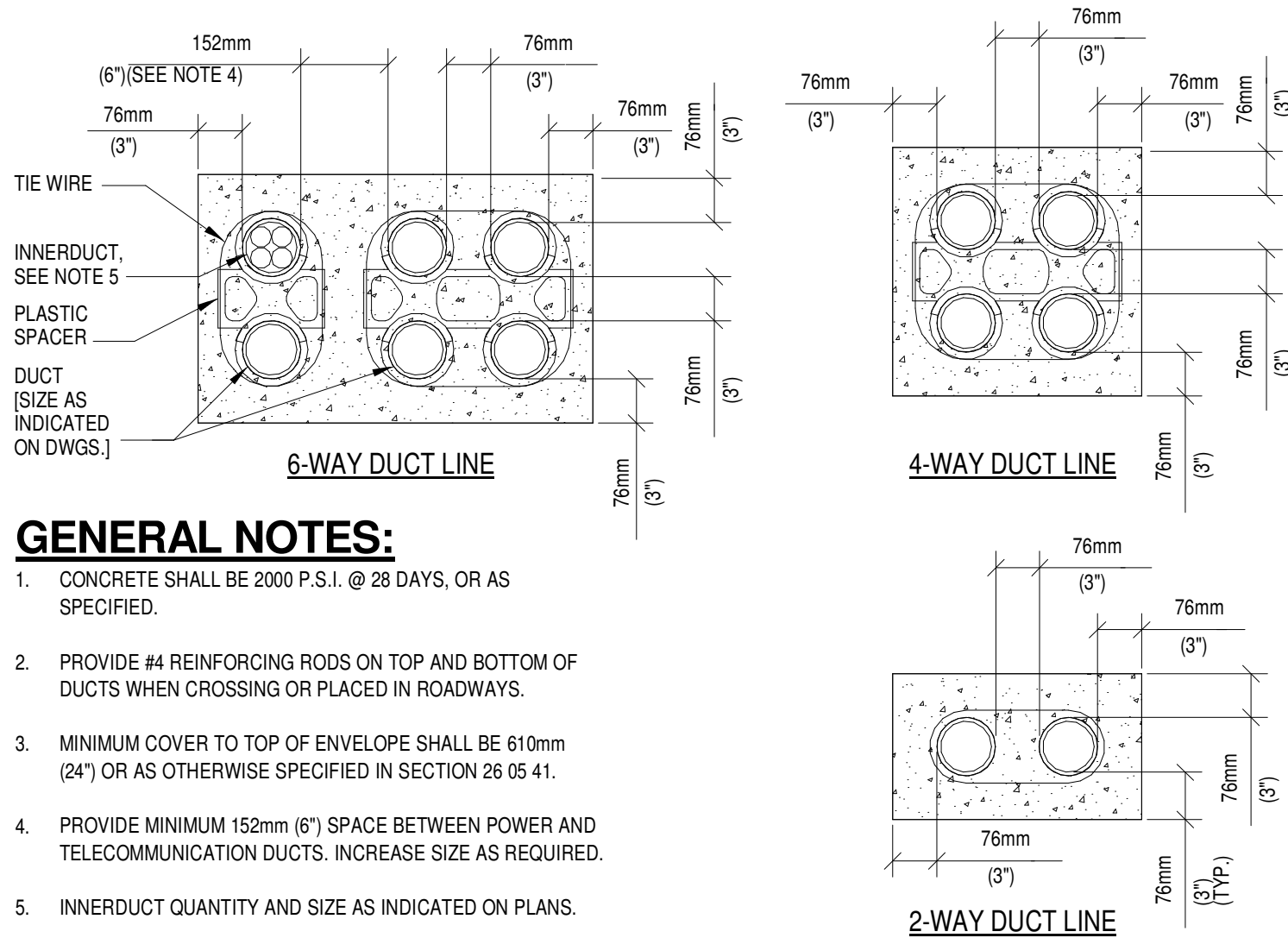
2 CONDUIT TRAPEZE MOUNTING DETAIL

SCALE: 1/2" = 1'-0"



3 FLOOR SLAB PENETRATION DETAIL

SCALE: 1/2" = 1'-0"

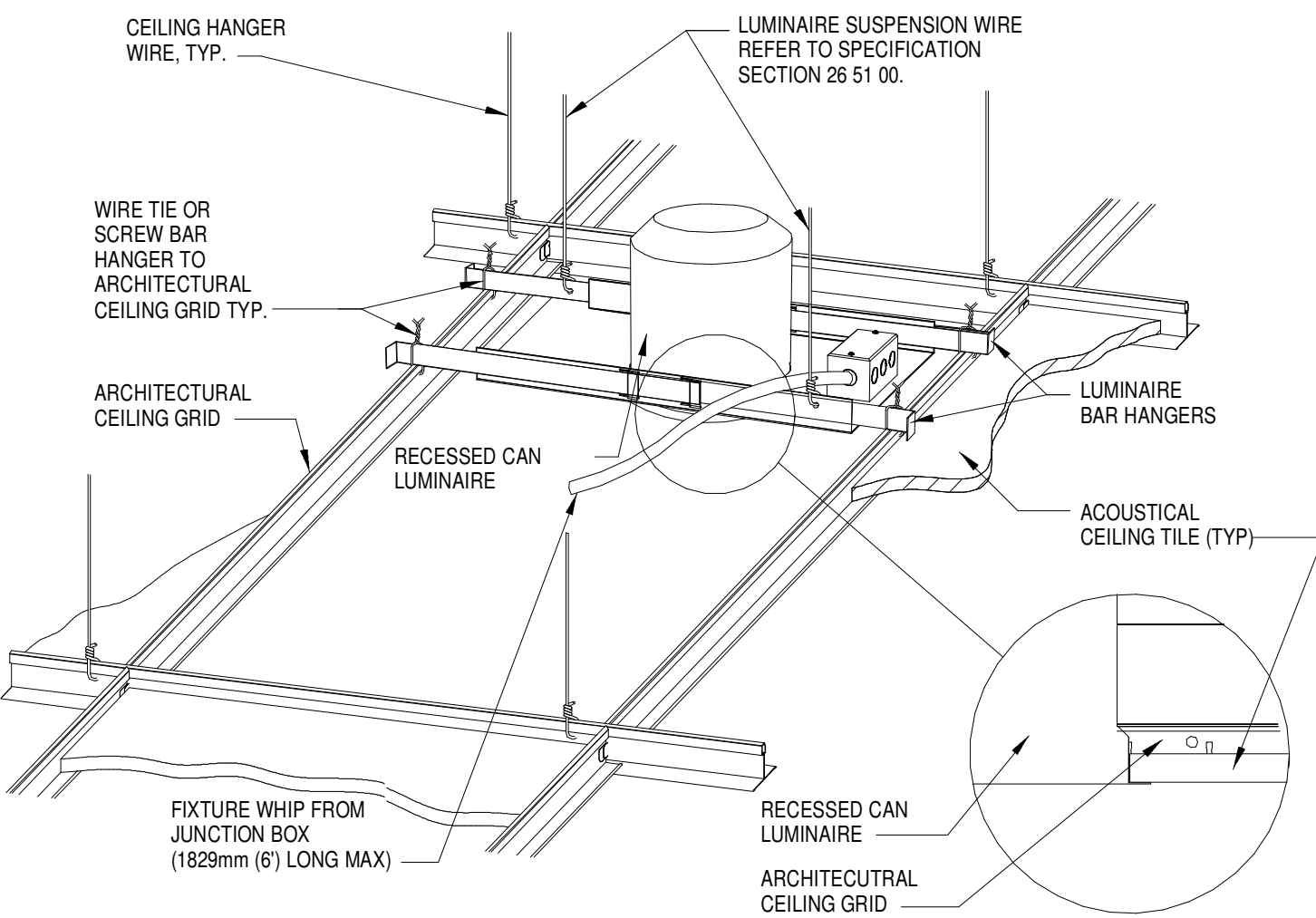


GENERAL NOTES:

1. CONCRETE SHALL BE 2000 P.S.I. @ 28 DAYS, OR AS SPECIFIED.
2. PROVIDE #4 REINFORCING RODS ON TOP AND BOTTOM OF DUCTS WHEN CROSSING OR PLACED IN ROADWAYS.
3. MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 610mm (24") OR AS OTHERWISE SPECIFIED IN SECTION 28 05 41.
4. PROVIDE MINIMUM 152mm (6") SPACE BETWEEN POWER AND TELECOMMUNICATION DUCTS. INCREASE SIZE AS REQUIRED.
5. INNERDUCT QUANTITY AND SIZE AS INDICATED ON PLANS.

5 DUCT BANK DETAILS

SCALE: 1/2" = 1'-0"

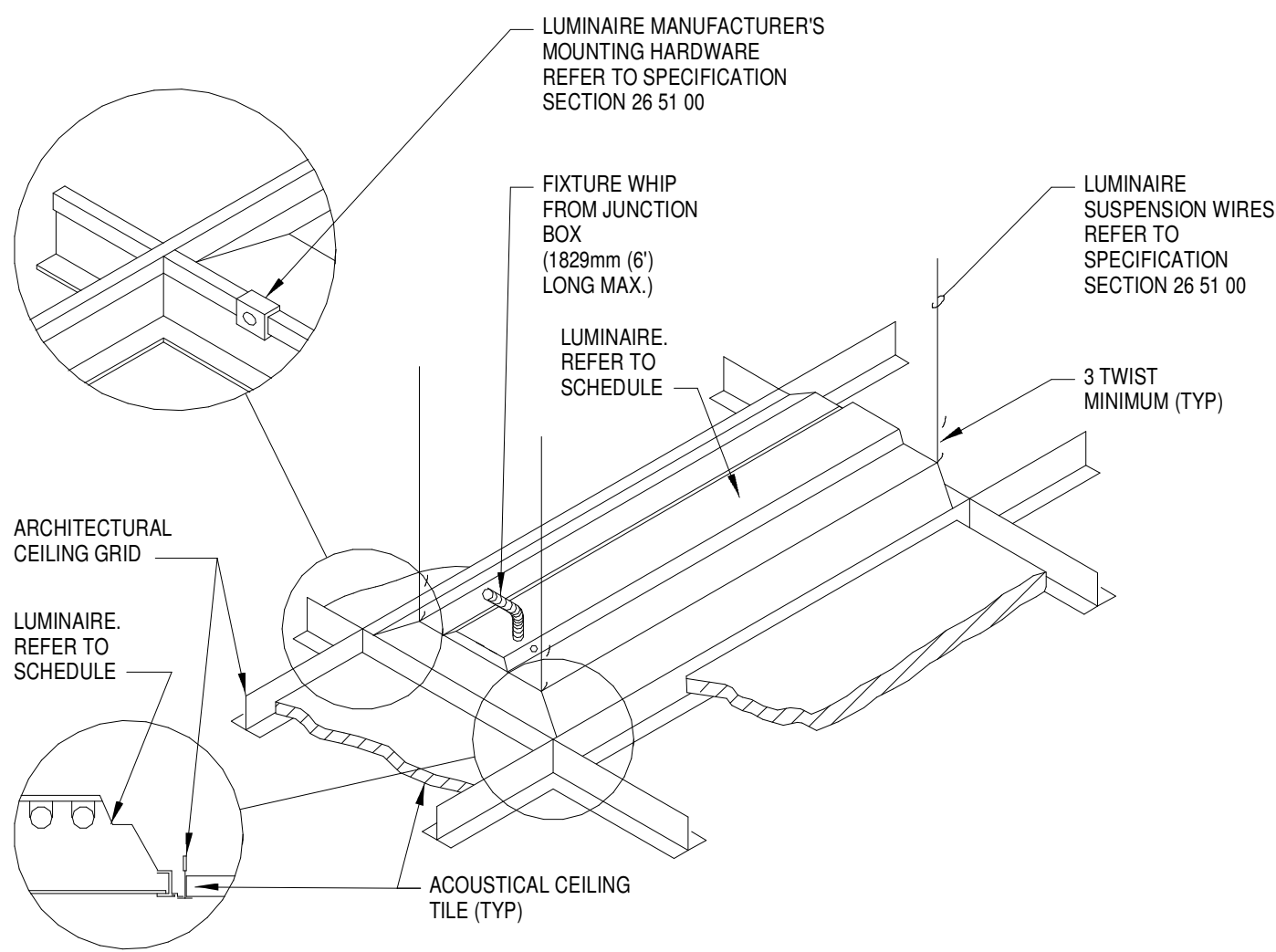


GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE

9 DOWNLIGHT MOUNTING - LAY-IN CEILING

SCALE: 1/2" = 1'-0"



GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

8 LUMINAIRE MOUNTING - LAY-IN CEILING

SCALE: 1/2" = 1'-0"

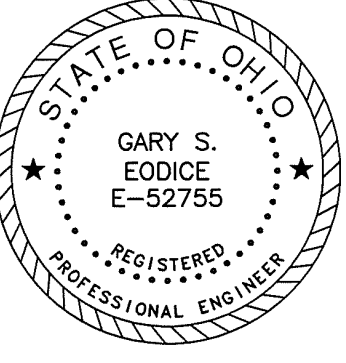
Revisions		Date
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1400 W Dorothy Lane, Dayton, OH 45409-1310  
Ph 937-224-0861 Fax 937-224-5777 www.heapy.com  
Heapy Project No.: 2014-04034 Firm License No.: Q1528



GARY S. EODICE  
E-52755  
REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS



3131 NEWMARK DRIVE, SUITE 200  
MIAMISBURG, OHIO 45342  
937 461 3290 PHONE  
jpa@johnpoe.com

Drawing Title

DETAILS

Approved: Project Director

Project Title

RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location

Dayton, Ohio

Date

05.16.2016

Checked

MSG

Drawn

SC

Project No.

VA Project No. 552-15-502  
JPA Project No. 14006.00

Building Number

999

Drawing Number

E501

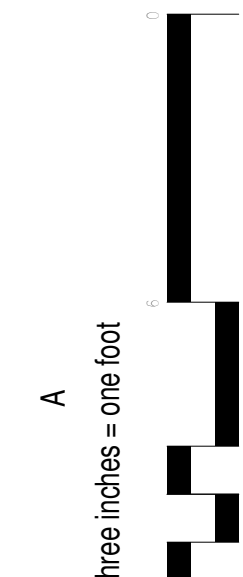
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Office of Construction and Facilities Management

Department of Veterans Affairs

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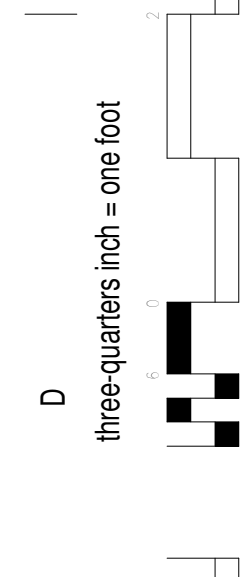
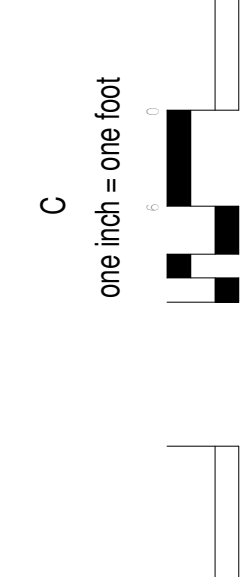
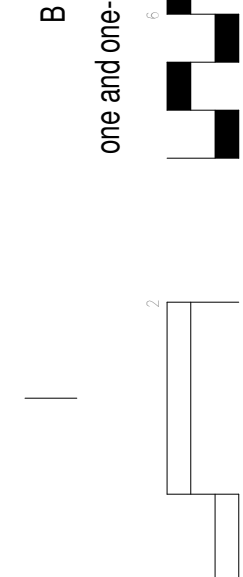


**B**

one and one-half inches = one foot



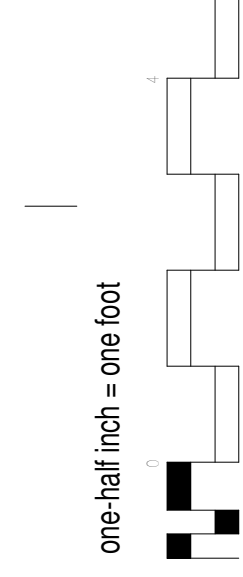
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Blue	1.5
Green	1.5
Yellow	1.5
Purple	1.5



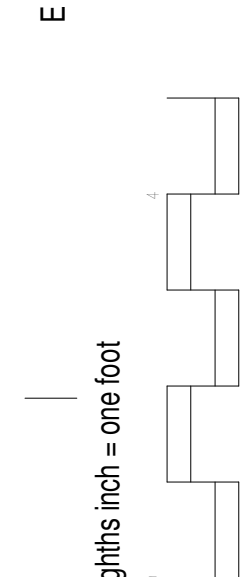
D

three-quarters inch = one

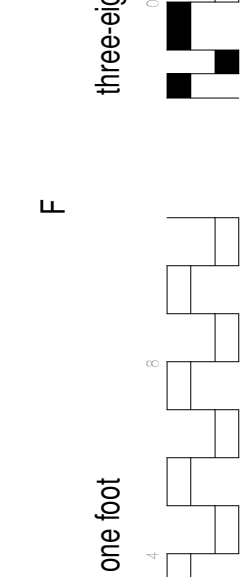
1 2 3 4



one-half inch = one foot



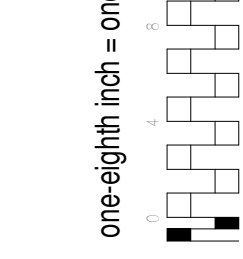
three-eighths inch = one foot



— quarter inch = one foot

one-quarter inch =

one-eighth inch = one foot



ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS

3131 NEWMARK DRIVE,  
SUITE 200  
MIAMISBURG, OHIO 45342  
937 461 5200 PHONE  
jpae@johnpoe.com

---

5
6

Drawing Title	
SITE PHOTOGRAPH	
Approved: Project Director	

---


7

Project Title <b>RELOCATE PROSTHETICS AND PODIATRY CLINICS</b>			Project No. V&A Project No. <b>552-15-502</b> JPA Project No. <b>14006.00</b>	
Location <b>Dayton, Ohio</b>			Building Number <b>999</b>	
Date <b>05.16.2016</b>	Checked <b>MSG</b>	Drawn <b>SC</b>	Drawing Number <b>E502</b>	
			Dwg. of	

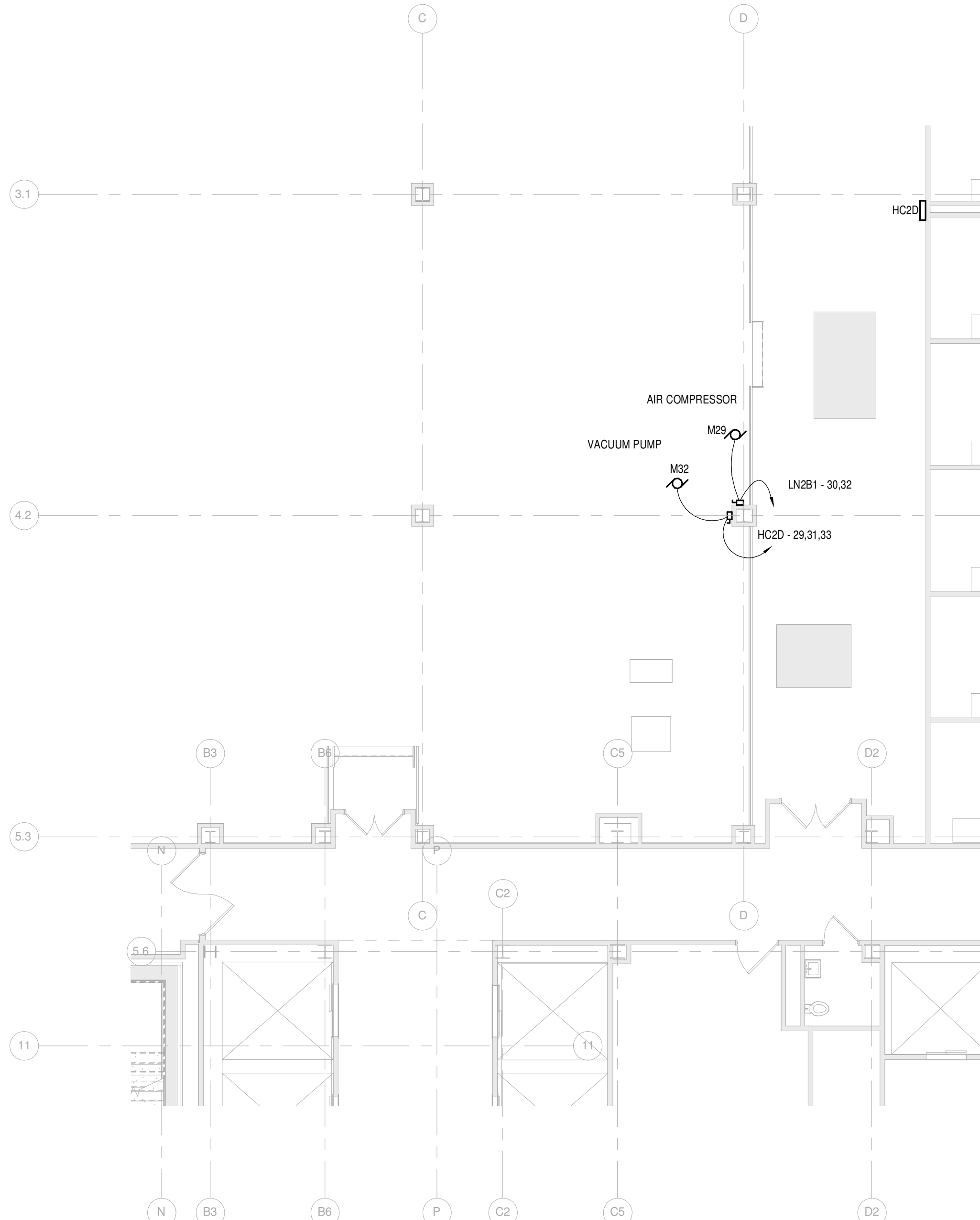
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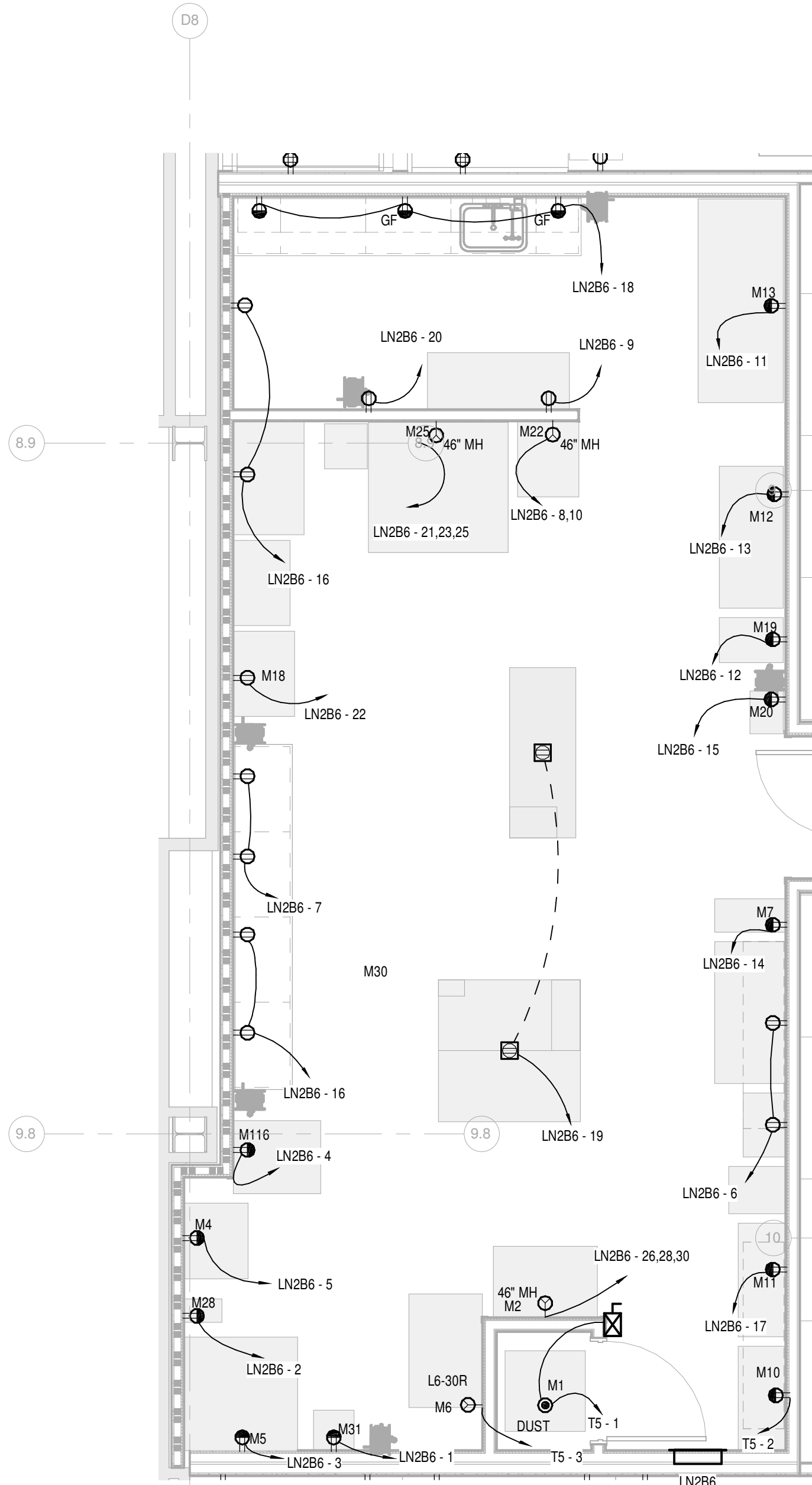
Office of  
Construction  
and Facilities  
Management

 Department of  
Veterans Affairs





**BLDG 330-02 MECHANICAL ROOM**  
Scale: 1/8" = 1'-0"



**Bldg 330-02 ENLARGED FABRICATION ROOM**  
Scale: 1/4" = 1'-0"

MISC EQUIPMENT														
NOTES:														
MARK	DESCRIPTION	CHARACTERISTICS							DISC MEANS	ELECTRICAL CONNECTION		FEEDER		
		HORSEPOWER (HP)	LOAD (KVA)	120V/1PH	208V/1PH	240V/1PH	277V/1PH	480V/1PH		CORD & PLUG	OUTLET M.H.	NUMBER OF CONDUCTORS	WIRE SIZE	GROUND SIZE
M1	DUST COLLECTOR	3	3.819									3	12	12 3/4
M2	LATEDA SHOE		2.054									3	12	12 3/4
M4	BELT SANDER		1.056									2	12	12 3/4
M5	TRAUTMANS CARVER		0.898									2	12	12 3/4
M6	TRAUTMAN DISC SANDER	2	2.496									2	10	10 3/4
M7	DRILL PRESS		1.08									2	12	12 3/4
M10	SEWING MACH		1.08									2	12	12 3/4
M11	SEWING PATCHER		1.56									2	12	12 3/4
M12	SAND BLASTER		1.08									2	12	12 3/4
M13	TRINCO		1.08									2	12	12 3/4
M18	OMEGA CARVER		1.08									2	12	12 3/4
M19	THE TABLE	1/4	0.696									2	12	12 3/4
M20	SHOE PRESS		1.08									2	12	12 3/4
M22	AUTO NAILER		0.24									2	12	12 3/4
M25	THERMOFORMER		3.12									2	12	12 3/4
M28	OVEN		5.044									3	12	12 3/4
M29	CHOP SAW		1.8									2	12	12 3/4
M30	AIR COMPRESSOR		1.872									2	12	12 3/4
M32	VACUUM PUMP		1.08									2	12	12 3/4
M16	DISC GRINDER		1.08									2	12	12 3/4
M17	VACUUM PUMP	7 1/2	9.145									3	12	12 3/4
M116	BAND SAW		1.92									2	12	12 3/4

Panel: HC2D														
Location:				Mounting: Surface				A.I.C. Rating:						
Supply From:				Enclosure: Type 1				Mains Type: MLO						
Voltage: 480/277 Wye-3PH-4W								Mains Rating: 250 A						
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	
1	CWP-1	150 A	3	0 VA	0 VA					3	15 A	CWP-2	2	
3	--	--	--			0 VA	0 VA			--	--	--	4	
5	--	--	--					0 VA	0 VA	--	--	--	6	
7	AWU-1	25 A	3	0 VA	0 VA					3	80 A	CH1	8	
9	--	--	--			0 VA	0 VA			--	--	--	10	
11	--	--	--					0 VA	0 VA	--	--	--	12	
13	EF-1	15 A	3	0 VA	0 VA					3	15 A	EF-1	14	
15	--	--	--			0 VA	0 VA			--	--	--	16	
17	--	--	--					0 VA	0 VA	--	--	--	18	
19	EF-3	15 A	3	0 VA	0 VA					2	20 A	Spare	20	
21	--	--	--			0 VA	0 VA			--	--	--	22	
23	--	--	--					0 VA	0 VA	1	20 A	Spare	24	
25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26	
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28	
29	VAC PUMP	20 A	3					3048...	0 VA	3	20 A	Spare	30	
31	--	--	--	3048...	0 VA					--	--	--	32	
33	--	--	--			3048...	0 VA			--	--	--	34	
35	Spare	15 A	3					0 VA	0 VA	3	20 A	Spare	36	
37	--	--	--	0 VA	0 VA					--	--	--	38	
39	--	--	--			0 VA	0 VA			--	--	--	40	
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42	
Total Load:				3.05 kVA		3.05 kVA		3.05 kVA						
Notes:														
TOTAL CONNECTED								ESTIMATED DEMAND						
9.15 kVA														

Panel: LN2B6

Location: Supply From: T5  
Voltage: 120/208 Wye-3PH-4W

Mounting: Flush  
Enclosure: Type 1

A.I.C. Rating: 10,000  
Mains Type: MLO  
Mains Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	M31	20 A	1	1080... 1800...			1	20 A	M28	2	
3	M5	20 A	1		888 VA 1920...		1	20 A	M116	4	
5	M4	20 A	1			1056... 360 VA	1	20 A	Receptacle	6	
7	Receptacle	20 A	1	360 VA 1560...			2	20 A	M22	8	
9	Receptacle	20 A	1		180 VA 1560...		--	--	--	10	
11	M13	20 A	1			1080... 1080...	1	20 A	M19	12	
13	M12	20 A	1	1080... 1080...			1	20 A	Receptacle	14	
15	M20	20 A	1		240 VA 720 VA		1	20 A	Receptacle	16	
17	M11	20 A	1			1560... 540 VA	1	20 A	Receptacle	18	
19	Receptacle	20 A	1	360 VA 180 VA			1	20 A	Receptacle	20	
21	M25	20 A	3		1681... 696 VA		1	20 A	M16	22	
23	--	--	--		1681...		3	20 A	M2	24	
25	--	--	--	1681... 685 VA			--	--	--	26	
27	Spare	20 A	1		0 VA 685 VA		--	--	--	28	
29	Spare	20 A	1			0 VA 685 VA	--	--	--	30	
31	Spare	20 A	1	0 VA 0 VA			1	20 A	Spare	32	
33	Spare	20 A	1		0 VA 0 VA		--	--	Spare	34	
35	Spare	--	--			0 VA 0 VA	--	--	Spare	36	
37	Spare	--	--	0 VA 0 VA			--	--	Spare	38	
39	Spare	--	--		0 VA 0 VA		--	--	Spare	40	
41	Spare	--	--			0 VA 0 VA	--	--	Spare	42	
Total Load:				9.87 kVA	8.57 kVA	8.04 kVA					

Notes:

TOTAL CONNECTED		ESTIMATED DEMAND
26.48 kVA		27.0 kVA (75A)

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Revisions

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CONSULTANTS:

Heapy Engineering

MEP Design Technology Planning Commissioning Energy

Nationally Recognized Leader in Sustainability

1400 W Dorothy Lane, Dayton, OH 45409-1310

Ph 937-224-0861 Fax 937-224-5777 www.heapy.com

Heapy Project No.: 2014-04034 Firm License No.: Q1528

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS

3131 NEWMARK DRIVE, SUITE 200 MIAMISBURG, OHIO 45342

937 461 3290 PHONE jpo@johnpoe.com

Drawing Title

ENLARGED PLANS

Approved: Project Director

Project Title

RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location

Dayton, Ohio

Date

05.16.2016

Checked

MSG

Drawn

SC

Project No.

VA Project No. 552-15-502

JPA Project No. 14006.00

Building Number

999

Drawing Number

E503

Dwg. of

Office of Construction and Facilities Management

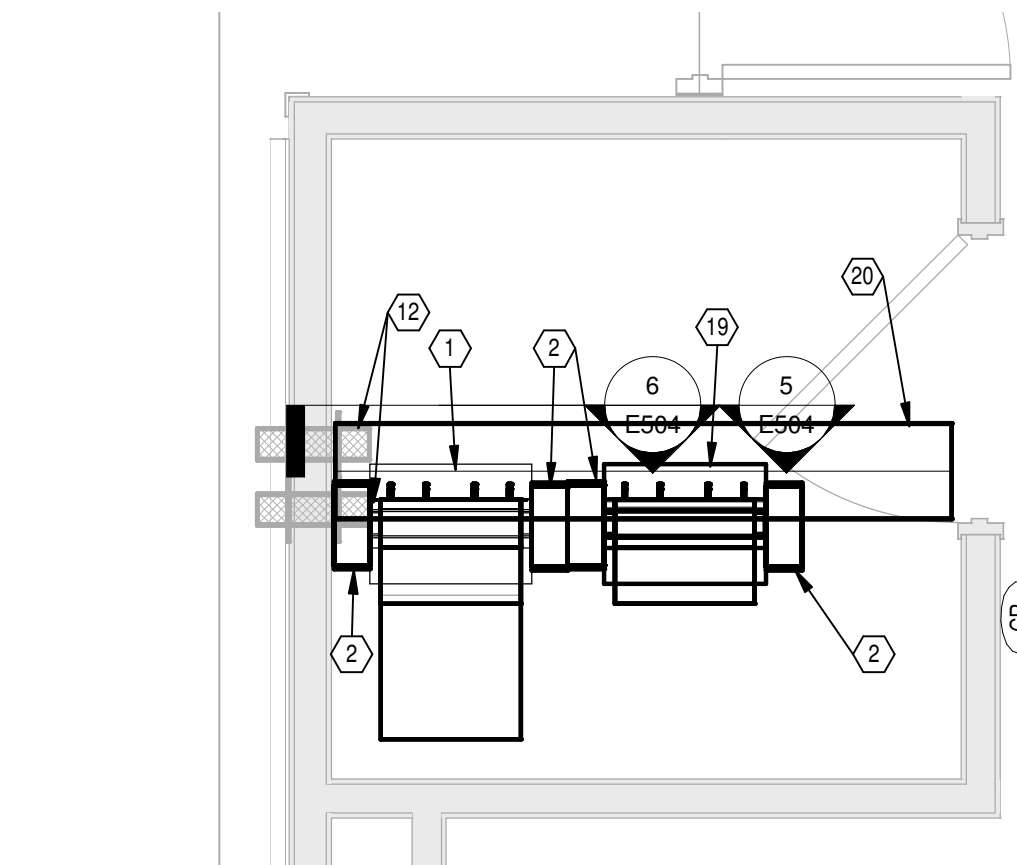
Department of Veterans Affairs



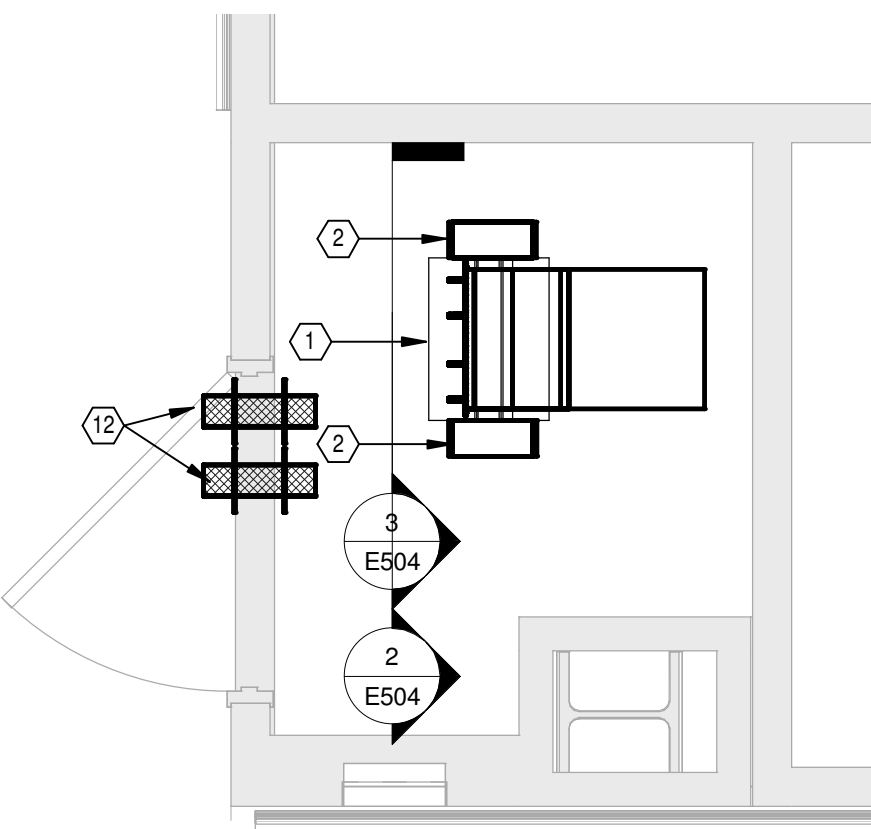
FULLY SPRINKLERED

PLAN NOTES

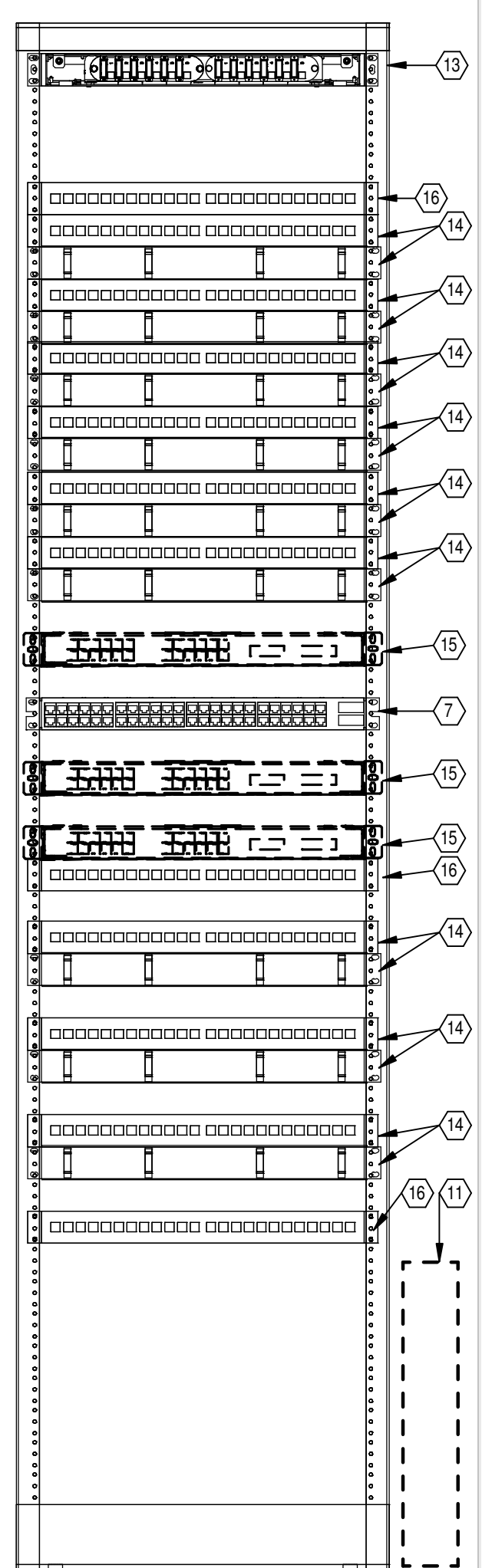
- EXISTING RELAY RACK TO BE RE-USED. RACK MAY BE REQUIRED TO BE UNBOLTED FROM FLOOR, SHIFTED IN LOCATION AND RE-ANCHORED TO SUPPORT NEW VERTICAL CABLE MANAGERS ON EACH SIDE
- PROVIDE NEW FULL HEIGHT, VERTICAL CABLE MANAGER PANELS
- EXISTING PATCH PANELS TO BE REMOVED/REPLACED. DROPS SERVING AREA OF DEMOLITION TO BE REMOVED BACK TO OUTLETS BEING DEMOLISHED. DROPS SERVING AREAS NOT UNDER CONSTRUCTION TO BE IDENTIFIED, TESTED AND RECORDED. REMOVED FROM PATCH PANEL, TAGGED AND RE-TERMINATED IN NEW PATCH PANELS AND RE-TESTED TO CERTIFY OUTLETS ARE IN COMPLIANCE WITH CATEGORY RATINGS. APPROXIMATELY 120 DROPS ARE BEING REMOVED IN THE AREA OF DEMOLITION. APPROXIMATELY 280 DROPS ARE REMAINING THAT WILL REQUIRE RE-TERMINATION. FINAL COUNT IS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CABLING DEMOLITION WORK.
- EXISTING PATCH PANEL SERVING WIRELESS ACCESS POINTS TO BE MAINTAINED AND RE-INSTALLED IN EXISTING RACK UTILIZING PROPER MOUNTING HARDWARE
- NEW 48 PORT, HIGH DENSITY PATCH PANEL. PROVIDE BLUE/YELLOW PANELS AS REQUIRED BY SEPARATION OF BLUE/YELLOW DATA CABLING. PANELS TO BE UTILIZED FOR NEW DATA DROPS IN THE AREA OF RENOVATION AND RE-TERMINATION OF EXISTING DATA DROPS OUTSIDE THE AREA OF RENOVATION.
- NEW 1RU HORIZONTAL WIRE MANAGEMENT PANEL
- EXISTING NETWORK SWITCH TO BE RELOCATED TO NEW RACK POSITION AND RE-INSTALLED.
- NEW 48 PORT POE+ NETWORK SWITCH. REFER TO SPECIFICATIONS
- NEW RACK MOUNTED, LINE INTERACTIVE, 2000VA, 120V-208A UPS WITH NETWORK AND ENVIRONMENTAL MONITORING ACCESSORIES.
- EXISTING ROUTER TO BE RELOCATED TO NEW RACK POSITION BY VA.
- EXISTING UPS TO BE REMOVED AND TURNED OVER TO THE VA.
- PROVIDE NEW RE-ENTERABLE, FIRE RATED CABLE SLEEVE ASSEMBLY, 4" CONDUIT CAPACITY EQUIVALENT ABOVE CEILING FOR NEW CABLING.
- EXISTING FIBER TERMINATION PANEL TO BE MAINTAINED.
- EXISTING PATCH PANEL WITH INTEGRAL CABLE MANAGER TO BE MAINTAINED WITHIN RACK. REMOVE CABLE DROPS SERVING OUTLETS BEING DEMOLISHED AND RE-LABEL PORTS SPARE.
- EXISTING NETWORK SWITCH TO BE REMOVED AND TURNED OVER TO VA.
- EXISTING PATCH PANEL TO BE MAINTAINED WITHIN RACK. REMOVE CABLE DROPS SERVING OUTLETS BEING DEMOLISHED AND RE-LABEL PORTS SPARE.
- NEW 48 PORT, 2RU PATCH PANEL FOR NEW DATA STATION CABLING. PROVIDE BLUE/YELLOW PANELS AS REQUIRED BY SEPARATION OF BLUE/YELLOW DATA CABLING.
- NEW 2RU HORIZONTAL CABLE MANAGERS
- NEW 2-POST, FULL HEIGHT RELAY RACK.
- NEW 12"Wx4"D WIRE BASKET TRAY RUN ABOVE RACKS. PROVIDE DROP OUTS INTO RACKS FOR CABLING. SECURE CABLE TRAY TO OVERHEAD RACKS. MOUNT AT 78" AFF.



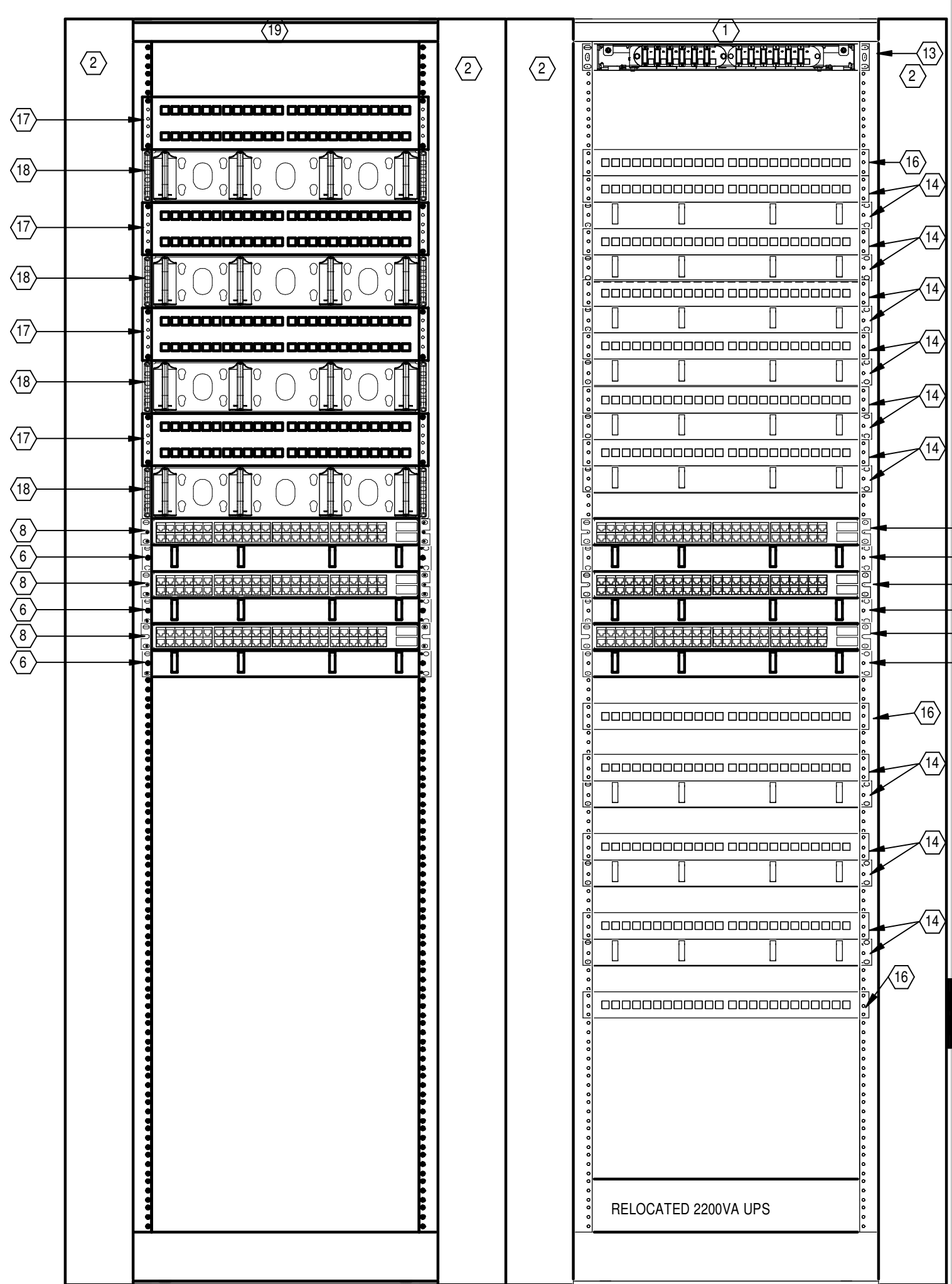
EXISTING SIGNALS CLOSET 114  
Scale: 1/2" = 1'-0"  
PROJECT



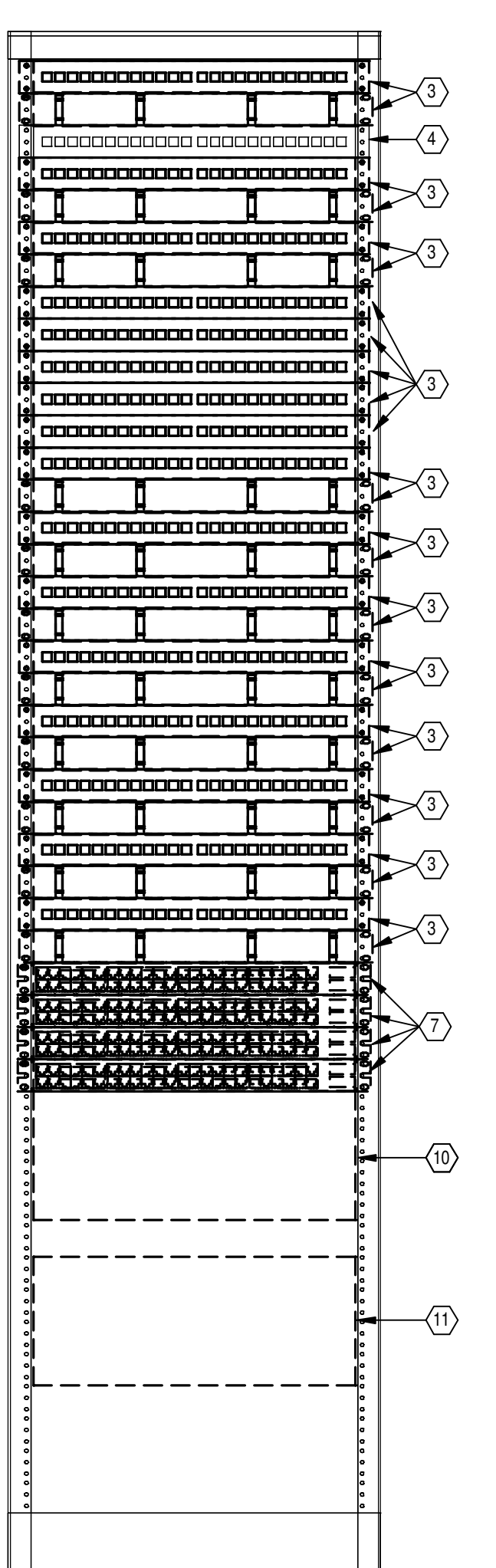
EXISTING SIGNALS CLOSET 2D-122  
Scale: 1/2" = 1'-0"  
PROJECT



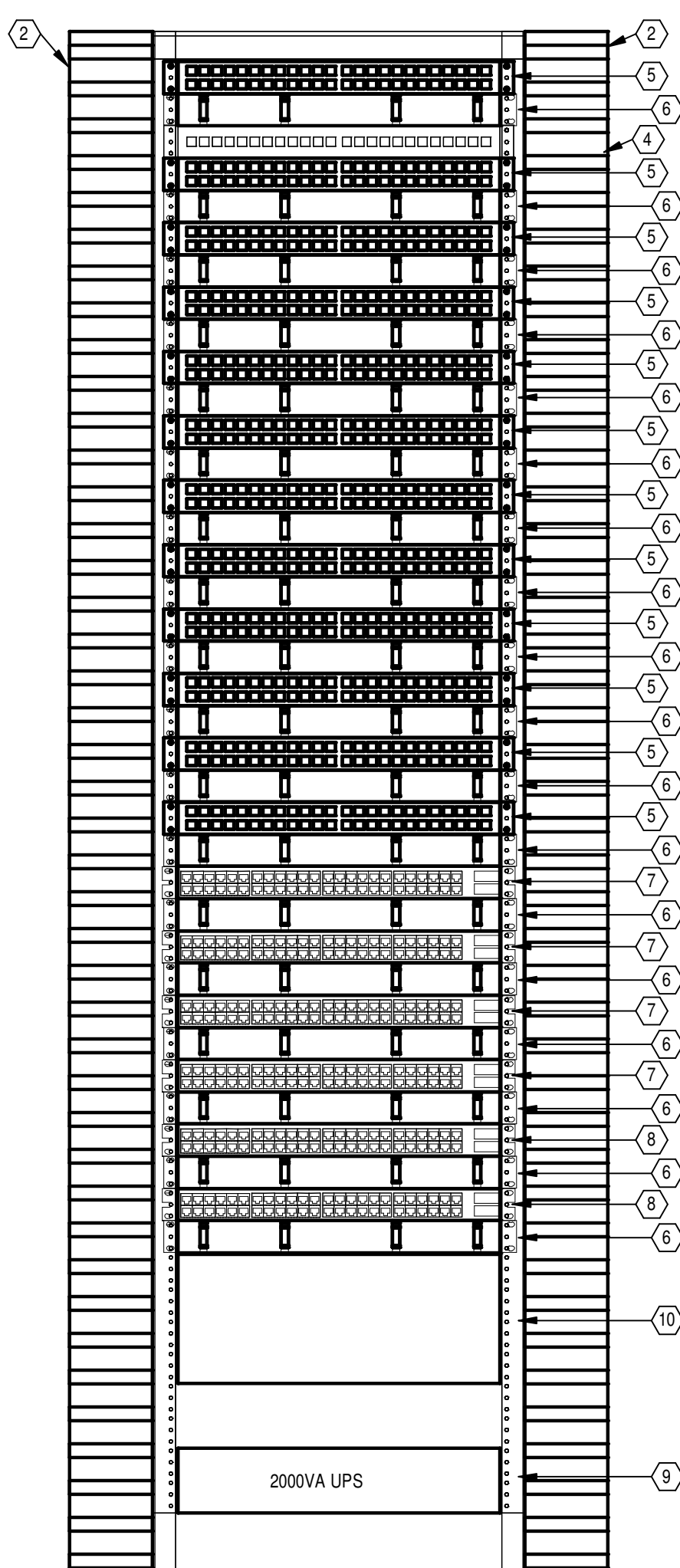
5 EXISTING RACK 114-DEMO  
SCALE: 1 1/2" = 1'-0"



6 EXISTING RACK 114-NEW WORK  
SCALE: 1 1/2" = 1'-0"



2 EXIST RACK 2D-122-DEMO  
SCALE: 1 1/2" = 1'-0"



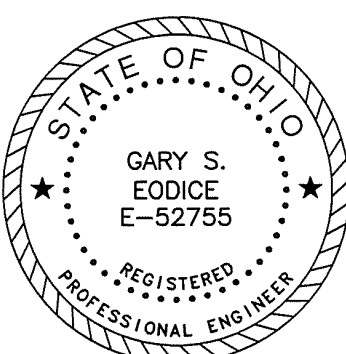
3 EXIST. RACK 2D-122-NEW WORK  
SCALE: 1 1/2" = 1'-0"

5/13/2016 11:33:11 AM

Revisions		Date
1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	01.15.2016

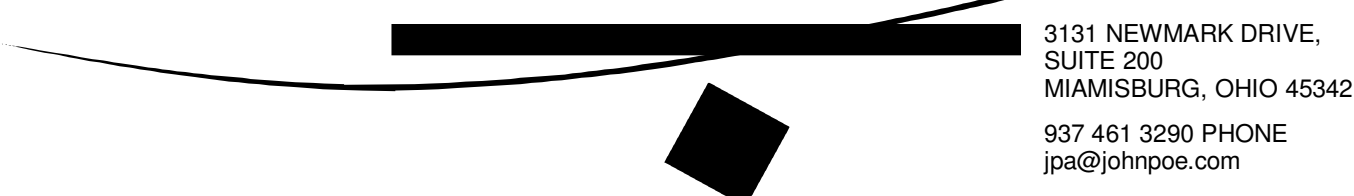
CONSULTANTS:

**Heapy Engineering**  
MEP Design Technology Planning Commissioning Energy  
*Nationally Recognized Leader in Sustainability*  
1400 W Dorothy Lane, Dayton, OH 45409-1310  
Ph 937-224-0861 Fax 937-224-5777 www.heapy.com  
Heapy Project No.: 2014-04034 Firm License No.: Q1528



ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS



3131 NEWMARK DRIVE,  
SUITE 200  
MIAMISBURG, OHIO 45342  
937 461 3290 PHONE  
jpae@johnpoe.com

Drawing Title

ENLARGED SIGNALS CLOSET  
PLANS

Approved: Project Director

Project Title

RELOCATE PROSTHETICS  
AND PODIATRY CLINICS

Location

Dayton, Ohio

Date

05.16.2016

Checked

MSG

Drawn

JDK

Project No.

VA Project No. 552-15-502

JPA Project No. 14006.00

Building Number

999

Drawing Number

E504

Dwg. of

Office of  
Construction  
and Facilities  
Management

